

Answer Key of PWD Recruitment Exam 2023, 13th Dec to 28th Dec 2023 for Objection Handling Purpose Only

Participant ID	
Participant Name	
Test Center Name	
Test Date	15/12/2023
Test Time	12:30 PM - 2:00 PM
Subject	Junior Engineer (Civil)
Candidates Application photo	
Candidate Registration photo	

Section : Civil Engineering (Diploma Level)

Q.1 Among the basic requirements for adaptation of any irrigation method, given as options, identify the INCORRECT one.

- Ans**
- ☒ 1. Shall not cause drainage problem and salt accumulation in field.
 - ☒ 2. Shall facilitate uniform water distribution.
 - ☒ 3. Shall not cause soil erosion.
 - ☒ 4. Should not allow mechanized farming methods.

Question Type : MCQ

Question ID : 630680199351

Option 1 ID : 630680773046

Option 2 ID : 630680773043

Option 3 ID : 630680773044

Option 4 ID : 630680773045

Status : Answered

Chosen Option : 4

Marks : 2

Q.2 The electronic or mechanical transportation system which carries out vertical or tangential transportation of passengers or goods is called ____.

- Ans ☒ 1. elevator
☐ 2. rolling shutter
☐ 3. ventilator
☐ 4. lintel

Question Type : MCQ

Question ID : 630680167304

Option 1 ID : 630680647980

Option 2 ID : 630680647982

Option 3 ID : 630680647983

Option 4 ID : 630680647981

Status : Answered

Chosen Option : 1

Marks : 2

Q.3 The term 'Alternative energy source' refers to energy sources other than fossil fuels. Which of the following is an alternative source for production of electricity that causes more impact on the environment?

- Ans ☒ 1. Nuclear energy
☐ 2. Tidal energy
☐ 3. Solar energy
☐ 4. Biomass energy

Question Type : MCQ

Question ID : 630680182630

Option 1 ID : 630680707628

Option 2 ID : 630680707626

Option 3 ID : 630680707625

Option 4 ID : 630680707627

Status : Answered

Chosen Option : 1

Marks : 2

Q.4 In an advanced polymer matrix composite, which of the following is used as reinforcement?

- Ans ☐ 1. Wood-cement composites reinforced
☐ 2. Medium-density fibreboard (MDF) reinforced
☒ 3. Graphite fibre reinforced
☐ 4. Wood fibre reinforced

Question Type : MCQ

Question ID : 630680160631

Option 1 ID : 630680621899

Option 2 ID : 630680621896

Option 3 ID : 630680621897

Option 4 ID : 630680621898

Status : Answered

Chosen Option : 3

Marks : 2

Q.5 Compare the coefficient of discharge for orifice meter and that of Venturimeter.

- Ans
- ☐ 1. Cannot be compared
 - ☐ 2. Coefficient of discharge of orificemeter = Coefficient of discharge of venturimeter
 - ☐ 3. Coefficient of discharge of orificemeter > Coefficient of discharge of venturimeter
 - ☒ 4. Coefficient of discharge of orificemeter < Coefficient of discharge of venturimeter

Question Type : MCQ

Question ID : 630680206121

Option 1 ID : 630680799286

Option 2 ID : 630680799283

Option 3 ID : 630680799285

Option 4 ID : 630680799284

Status : Answered

Chosen Option : 4

Marks : 2

Q.6 Which of the following wastewater treatment units performs the function of getting rid of oil and grease present in the waste water, which would interfere with the removal of BOD?

- Ans
- ☐ 1. Aeration
 - ☐ 2. Screen
 - ☒ 3. Skimming tank
 - ☐ 4. Plain sedimentation tank

Question Type : MCQ

Question ID : 630680182349

Option 1 ID : 630680706585

Option 2 ID : 630680706583

Option 3 ID : 630680706584

Option 4 ID : 630680706582

Status : Answered

Chosen Option : 3

Marks : 2

Q.7 For determining the soundness of cement, which apparatus is used?

- Ans
- ☒ 1. Le Chatelier Apparatus
 - ☐ 2. Pat test Apparatus
 - ☐ 3. Core cutter test Apparatus
 - ☐ 4. Vicat's Apparatus

Question Type : MCQ

Question ID : 630680191305

Option 1 ID : 630680741861

Option 2 ID : 630680741864

Option 3 ID : 630680741863

Option 4 ID : 630680741862

Status : Answered

Chosen Option : 1

Marks : 2

Q.8 Identify the INCORRECT statement with respect to the alternate bay method for construction of cement concrete pavements.

- Ans
- ☒ 1. The traffic will have to be completely diverted.
 - ☒ 2. Large numbers of transverse joints are provided in this method, when compared to continuous method.
 - ☒ 3. The construction is spread to only one side of the road.
 - ☒ 4. During rains, the surface water collects on the subgrade between finished bays.

Question Type : MCQ

Question ID : 630680191595

Option 1 ID : 630680743004

Option 2 ID : 630680743001

Option 3 ID : 630680743003

Option 4 ID : 630680743002

Status : Answered

Chosen Option : 1

Marks : 0

Q.9 In order to find a redundant support reaction in a propped cantilever beam, which of the following methods that assumes redundant and loads separately acting on a released beam and then the deflections is added to match with the original beam?

- Ans
- ☒ 1. Conjugate beam method
 - ☒ 2. Reciprocal theorem
 - ☒ 3. Strain energy method
 - ☒ 4. Principle of superposition

Question Type : MCQ

Question ID : 630680191212

Option 1 ID : 630680741492

Option 2 ID : 630680741490

Option 3 ID : 630680741489

Option 4 ID : 630680741491

Status : Answered

Chosen Option : 1

Marks : 0

Q.10 Soil is NOT used as a construction material in _____.

- Ans
- ☒ 1. bricks
 - ☒ 2. concrete
 - ☒ 3. steel bridges
 - ☒ 4. sub-grade

Question Type : MCQ

Question ID : 630680181874

Option 1 ID : 630680704731

Option 2 ID : 630680704730

Option 3 ID : 630680704733

Option 4 ID : 630680704732

Status : Answered

Chosen Option : 3

Marks : 2

Q.11 Pitot tube is used to measure the _____.

- Ans ☒ 1. velocity of flow
☒ 2. acceleration
☒ 3. depth of flow
☒ 4. discharge

Question Type : MCQ
Question ID : 630680206120
Option 1 ID : 630680799279
Option 2 ID : 630680799281
Option 3 ID : 630680799282
Option 4 ID : 630680799280
Status : Answered
Chosen Option : 1
Marks : 2

Q.12 Quantity of steel truss is calculated in _____.

- Ans ☒ 1. cubic metres
☒ 2. kilograms
☒ 3. square metres
☒ 4. running metres

Question Type : MCQ
Question ID : 630680211753
Option 1 ID : 630680821159
Option 2 ID : 630680821162
Option 3 ID : 630680821160
Option 4 ID : 630680821161
Status : Answered
Chosen Option : 3
Marks : 0

Q.13 Which of the following is NOT an advantage of irrigation?

- Ans ☒ 1. Protection from famine
☒ 2. Damp climate
☒ 3. Increase in food production
☒ 4. Inland navigation

Question Type : MCQ
Question ID : 630680199347
Option 1 ID : 630680773027
Option 2 ID : 630680773030
Option 3 ID : 630680773028
Option 4 ID : 630680773029
Status : Answered
Chosen Option : 2
Marks : 2

Q.14 In Venturimeter, Bernoulli's equation is applied between _____ and _____.

- Ans
- ☐ 1. throat, outlet section
 - ☐ 2. throat, diverging cone
 - ☒ 3. inlet section, throat
 - ☐ 4. inlet section, outlet section

Question Type : MCQ
Question ID : 630680206136
Option 1 ID : 630680799345
Option 2 ID : 630680799346
Option 3 ID : 630680799343
Option 4 ID : 630680799344
Status : Answered
Chosen Option : 2
Marks : 0

Q.15 Which of the following sets of dimensions can be represented in a diagonal scale?

- Ans
- ☐ 1. Metres, centimetres and kilometres
 - ☐ 2. Yards, feet and millimetres
 - ☐ 3. Yards, feet and centimetres
 - ☒ 4. Metres, decimetres and centimetres

Question Type : MCQ
Question ID : 630680163137
Option 1 ID : 630680631773
Option 2 ID : 630680631775
Option 3 ID : 630680631774
Option 4 ID : 630680631772
Status : Answered
Chosen Option : 4
Marks : 2

Q.16 Brick edging for roads, footpaths is measured in _____.

- Ans
- ☒ 1. running metres
 - ☐ 2. numbers
 - ☐ 3. square metres
 - ☐ 4. cubic metres

Question Type : MCQ
Question ID : 630680211742
Option 1 ID : 630680821117
Option 2 ID : 630680821118
Option 3 ID : 630680821116
Option 4 ID : 630680821115
Status : Answered
Chosen Option : 3
Marks : 0

Q.17 The minimum permeability of soils is observed at:

- Ans
- ☒ 1. OMC
 - ☒ 2. the highest water content
 - ☒ 3. OMC or slightly above OMC
 - ☒ 4. the lowest water content

Question Type : MCQ
Question ID : 630680181864
Option 1 ID : 630680704690
Option 2 ID : 630680704693
Option 3 ID : 630680704691
Option 4 ID : 630680704692
Status : Answered
Chosen Option : 1
Marks : 0

Q.18 In which of the following methods, cross-sectional area is multiplied with the centre line length to obtain the quantity?

- Ans
- ☒ 1. Centre line method
 - ☒ 2. In to in method
 - ☒ 3. Crossing method
 - ☒ 4. Out to out method

Question Type : MCQ
Question ID : 630680211756
Option 1 ID : 630680821174
Option 2 ID : 630680821172
Option 3 ID : 630680821173
Option 4 ID : 630680821171
Status : Answered
Chosen Option : 3
Marks : 0

Q.19 How many dimensions can be measured by using a diagonal scale?

- Ans
- ☒ 1. 3
 - ☒ 2. 2
 - ☒ 3. 4
 - ☒ 4. 1

Question Type : MCQ
Question ID : 630680163136
Option 1 ID : 630680631770
Option 2 ID : 630680631769
Option 3 ID : 630680631771
Option 4 ID : 630680631768
Status : Answered
Chosen Option : 1
Marks : 2

Q.20 If B is the width of a rectangular channel section and y is the depth of flow, the hydraulic radius is given by _____.

Ans

☒ 1. $\frac{2By}{B+y}$

☒ 2. $\frac{By}{B+2y}$

☒ 3. $\frac{2B}{B+y}$

☒ 4. $\frac{B(y+2)}{B+y}$

Question Type : MCQ

Question ID : 630680206113

Option 1 ID : 630680799252

Option 2 ID : 630680799251

Option 3 ID : 630680799254

Option 4 ID : 630680799253

Status : Answered

Chosen Option : 2

Marks : 2

Q.21 According to the limit state, the vertical component of shear resisted by a single or group of parallel bars, all bent up at the same cross section is given by _____.

Where f_y = characteristic strength of the stirrup or bent-up reinforcement

A_{sv} = total cross-sectional area of stirrup legs or bent-up bars.

α = angle between the inclined stirrup or bent-up bar and the axis of the member

Ans ☒ 1. $1.5 f_y A_{sv} \sin \alpha$

☒ 2. $1.15 f_y A_{sv} \sin \alpha$

☒ 3. $0.5 f_y A_{sv} \sin \alpha$

☒ 4. $0.87 f_y A_{sv} \sin \alpha$

Question Type : MCQ

Question ID : 630680200569

Option 1 ID : 630680777633

Option 2 ID : 630680777632

Option 3 ID : 630680777634

Option 4 ID : 630680777631

Status : Answered

Chosen Option : 4

Marks : 2

Q.22 If a beam has to be made long by joining two or more beams, the joints shall be preferably provided at the _____.

- Ans
- ☐ 1. shear centre
 - ☐ 2. point of zero shear force
 - ☒ 3. point of contraflexure
 - ☐ 4. point of maximum bending moment

Question Type : MCQ

Question ID : 630680311964

Option 1 ID : 6306801213764

Option 2 ID : 6306801213763

Option 3 ID : 6306801213761

Option 4 ID : 6306801213762

Status : Answered

Chosen Option : 2

Marks : 0

Q.23 A vehicle weighing 100 kN is slowly pulled up a smooth 30° inclined plane by a 21 mm diameter cable. Find the tensile stress in the cable.

- Ans
- ☐ 1. 288.60 N/mm²
 - ☐ 2. 169.70 N/mm²
 - ☒ 3. 144.30 N/mm²
 - ☐ 4. 115.3 N/mm²

Question Type : MCQ

Question ID : 630680311972

Option 1 ID : 6306801213796

Option 2 ID : 6306801213794

Option 3 ID : 6306801213793

Option 4 ID : 6306801213795

Status : Answered

Chosen Option : 4

Marks : 0

Q.24 The composite sleeper index is evolved from the combination of _____ properties of material used for sleepers.

- Ans
- ☒ 1. strength and hardness
 - ☐ 2. toughness and wear resistance
 - ☐ 3. strength and toughness
 - ☐ 4. toughness and abrasion

Question Type : MCQ

Question ID : 630680191586

Option 1 ID : 630680742966

Option 2 ID : 630680742967

Option 3 ID : 630680742965

Option 4 ID : 630680742968

Status : Answered

Chosen Option : 3

Marks : 0

Q.25 In case of a simply supported beam a simple support is added at mid-span. Now the beam is named _____.

- Ans
- ☒ 1. propped simply supported beam
 - ☒ 2. fixed beam
 - ☒ 3. continuous beam
 - ☒ 4. determinate beam

Question Type : MCQ

Question ID : 630680191209

Option 1 ID : 630680741477

Option 2 ID : 630680741480

Option 3 ID : 630680741479

Option 4 ID : 630680741478

Status : Answered

Chosen Option : 3

Marks : 2

Q.26 A circular chimney has external diameter - 3 m and internal diameter - 2 m. The height of chimney is given as 20 m. Find the area of chimney which is subjected to wind pressure effects.

- Ans
- ☒ 1. 60 m²
 - ☒ 2. 7.068 m²
 - ☒ 3. 40 m²
 - ☒ 4. 3.926 m²

Question Type : MCQ

Question ID : 630680191187

Option 1 ID : 630680741392

Option 2 ID : 630680741390

Option 3 ID : 630680741391

Option 4 ID : 630680741389

Status : Answered

Chosen Option : 1

Marks : 2

Q.27 Which of the following is NOT an assumption of the theory of pure bending?

- Ans
- ☒ 1. The material of the beam is homogeneous and isotropic.
 - ☒ 2. The Young's modulus is the same in compression and tension.
 - ☒ 3. The material has non-uniform weight of magnitude greater than zero throughout the cross-section.
 - ☒ 4. The elastic limit of the beam is not exceeded.

Question Type : MCQ

Question ID : 630680338686

Option 1 ID : 6306801317397

Option 2 ID : 6306801317398

Option 3 ID : 6306801317399

Option 4 ID : 6306801317400

Status : Answered

Chosen Option : 3

Marks : 2

Q.28 The type of the lintel which is constructed by using longitudinal rebars, stirrups and hangers is called _____.

- Ans
- ☒ 1. brick lintel
 - ☒ 2. RCC lintel
 - ☒ 3. cement concrete lintel
 - ☒ 4. wood lintel

Question Type : MCQ

Question ID : 630680167316

Option 1 ID : 630680648031

Option 2 ID : 630680648030

Option 3 ID : 630680648028

Option 4 ID : 630680648029

Status : Answered

Chosen Option : 2

Marks : 2

Q.29 Identify the correct representation of non-uniform flow.

Where

v = velocity of flow

t = time

s = space

- Ans
- ☒ 1. $\frac{\partial v}{\partial t} \neq 0$
 - ☒ 2. $\frac{\partial v}{\partial s} \neq 0$
 - ☒ 3. $\frac{\partial v}{\partial s} = 0$
 - ☒ 4. $\frac{\partial v}{\partial t} = 0$

Question Type : MCQ

Question ID : 630680206151

Option 1 ID : 630680799404

Option 2 ID : 630680799406

Option 3 ID : 630680799405

Option 4 ID : 630680799403

Status : Answered

Chosen Option : 2

Marks : 2

Q.30 Select the correct statement regarding theoretical and practical profile of a gravity dam.

- Ans
- ☒ 1. Practical profile of dam has zero width at top.
 - ☒ 2. Theoretical profile has zero width at top.
 - ☒ 3. The vertical section of an elementary profile is trapezoidal.
 - ☒ 4. Practical profile is also known as elementary profile.

Question Type : MCQ
Question ID : 630680199364
Option 1 ID : 630680773097
Option 2 ID : 630680773098
Option 3 ID : 630680773096
Option 4 ID : 630680773095
Status : Answered
Chosen Option : 2
Marks : 2

Q.31 Caisson foundation is often also known as _____.

- Ans
- ☒ 1. pier foundation
 - ☒ 2. isolated foundation
 - ☒ 3. step foundation
 - ☒ 4. strap foundation

Question Type : MCQ
Question ID : 630680167325
Option 1 ID : 630680648064
Option 2 ID : 630680648066
Option 3 ID : 630680648065
Option 4 ID : 630680648067
Status : Answered
Chosen Option : 1
Marks : 2

Q.32 In old times, the construction of superstructures was done by using which of the following building materials?

- Ans
- ☒ 1. Timber
 - ☒ 2. Latex
 - ☒ 3. Steel
 - ☒ 4. Terracotta

Question Type : MCQ
Question ID : 630680198700
Option 1 ID : 630680770760
Option 2 ID : 630680770759
Option 3 ID : 630680770761
Option 4 ID : 630680770762
Status : Answered
Chosen Option : 1
Marks : 2

Q.33 The most suitable type of foundation for gravity dam is on:

- Ans
- ☒ 1. silty sand
 - ☒ 2. rock foundation
 - ☒ 3. clayey soil
 - ☒ 4. soft soil

Question Type : MCQ
Question ID : 630680199356
Option 1 ID : 630680773066
Option 2 ID : 630680773063
Option 3 ID : 630680773065
Option 4 ID : 630680773064
Status : Answered
Chosen Option : 2
Marks : 2

Q.34 Grade 43 OPC Cement shall be retested before use and if it does not satisfy the requirements it can be summarily rejected when cement remains in bulk storage in the factory for a period of _____, as per 8112.

- Ans
- ☒ 1. less than 30 days
 - ☒ 2. less than 2 months
 - ☒ 3. more than 6 months
 - ☒ 4. less than 15 days

Question Type : MCQ
Question ID : 630680191304
Option 1 ID : 630680741859
Option 2 ID : 630680741860
Option 3 ID : 630680741857
Option 4 ID : 630680741858
Status : Answered
Chosen Option : 1
Marks : 0

Q.35 When the rail ends are supported on a single sleeper, the joint is called _____.

- Ans
- ☒ 1. supported rail joint
 - ☒ 2. suspended rail joint
 - ☒ 3. expansion rail joint
 - ☒ 4. bridge rail joint

Question Type : MCQ
Question ID : 630680191584
Option 1 ID : 630680742958
Option 2 ID : 630680742957
Option 3 ID : 630680742960
Option 4 ID : 630680742959
Status : Answered
Chosen Option : 1
Marks : 2

Q.36 Fat lime is also called _____.

- Ans
- ☒ 1. mixed lime
 - ☒ 2. pure lime
 - ☒ 3. marine lime
 - ☒ 4. thin lime

Question Type : MCQ

Question ID : 630680198695

Option 1 ID : 630680770741

Option 2 ID : 630680770742

Option 3 ID : 630680770739

Option 4 ID : 630680770740

Status : Answered

Chosen Option : 2

Marks : 2

Q.37 The solid particles that have size ranging from 0.1 to 1 μm and are normally released from chemical or metallurgical processes are called _____.

- Ans
- ☒ 1. mist
 - ☒ 2. smoke
 - ☒ 3. dust
 - ☒ 4. fumes

Question Type : MCQ

Question ID : 630680182344

Option 1 ID : 630680706565

Option 2 ID : 630680706563

Option 3 ID : 630680706562

Option 4 ID : 630680706564

Status : Answered

Chosen Option : 3

Marks : 0

Q.38 Which of the following is NOT a field identification test for soils?

- Ans
- ☒ 1. Toughness test
 - ☒ 2. Shear strength test
 - ☒ 3. Dry strength test
 - ☒ 4. Dilatancy test

Question Type : MCQ

Question ID : 630680181866

Option 1 ID : 630680704698

Option 2 ID : 630680704701

Option 3 ID : 630680704700

Option 4 ID : 630680704699

Status : Answered

Chosen Option : 4

Marks : 0

Q.39 Identify the given formula for the estimation of the volume of concrete in case of footing.

$$V = \frac{h}{3} [A_1 + A_2 + \sqrt{A_1 \cdot A_2}]$$

- Ans ☒ 1. Trapezoidal formula
☐ 2. Simpson's formula
☐ 3. Midpoint ordinate formula
☐ 4. Average ordinate formula

Question Type : MCQ

Question ID : 630680211761

Option 1 ID : 630680821192

Option 2 ID : 630680821194

Option 3 ID : 630680821191

Option 4 ID : 630680821193

Status : Answered

Chosen Option : 1

Marks : 2

Q.40 Refer to statements 1 and 2 and identify the correct answer:

Statement 1: The ultimate moment of resistance of a singly reinforced beam section can be obtained by the product of the resultant (ultimate) force in compression and the lever arm.

Statement 2: The ultimate moment of resistance of a singly reinforced beam section can be obtained by the product of the resultant (ultimate) force in tension and the lever arm.

- Ans ☐ 1. Statement 2 is correct but 1 is incorrect.
☐ 2. Both statements 1 and 2 are incorrect.
☒ 3. Both statements 1 and 2 are correct.
☐ 4. Statement 1 is correct but 2 is incorrect.

Question Type : MCQ

Question ID : 630680200547

Option 1 ID : 630680777544

Option 2 ID : 630680777546

Option 3 ID : 630680777545

Option 4 ID : 630680777543

Status : Answered

Chosen Option : 4

Marks : 0

Q.41 Which of the following principles is used in profile levelling?

- Ans ☐ 1. Simple levelling
☐ 2. Traversing
☒ 3. Differential levelling
☐ 4. Contouring

Question Type : MCQ

Question ID : 630680163160

Option 1 ID : 630680631864

Option 2 ID : 630680631867

Option 3 ID : 630680631865

Option 4 ID : 630680631866

Status : Answered

Chosen Option : 1

Marks : 0

Q.42 A rectangular unsymmetrical hollow section will necessarily have _____.

- Ans
- ☒ 1. unequal depth and width
 - ☒ 2. the same thickness throughout the section
 - ☒ 3. equal depth and width
 - ☒ 4. unequal thickness along the section

Question Type : MCQ
Question ID : 630680311962
Option 1 ID : 6306801213756
Option 2 ID : 6306801213753
Option 3 ID : 6306801213755
Option 4 ID : 6306801213754
Status : Answered
Chosen Option : 1
Marks : 0

Q.43 The word 'Check' in the Plan-Do-Check-Act (PDCA) cycle indicates _____.

- Ans
- ☒ 1. implementation of environmental management system
 - ☒ 2. communication and use of environmental declarations and claims
 - ☒ 3. conduction of audits and evaluation of environmental performance
 - ☒ 4. conduction of life cycle assessment and management of environmental aspects

Question Type : MCQ
Question ID : 630680182341
Option 1 ID : 630680706552
Option 2 ID : 630680706553
Option 3 ID : 630680706550
Option 4 ID : 630680706551
Status : Answered
Chosen Option : 1
Marks : 0

Q.44 For a tube well, the earthwork in excavation is entered in the measurement sheet for every _____ depth of excavation (standard lift) and different categories of soil strata.

- Ans
- ☒ 1. 2 m
 - ☒ 2. 1 m
 - ☒ 3. 2.5 m
 - ☒ 4. 1.5 m

Question Type : MCQ
Question ID : 630680211754
Option 1 ID : 630680821165
Option 2 ID : 630680821163
Option 3 ID : 630680821166
Option 4 ID : 630680821164
Status : Answered
Chosen Option : 4
Marks : 2

Q.45 Find the representative fraction if the scale of a drawing is 1 cm = 50 m.

Ans

☒ 1. $\frac{1}{50}$

☒ 2. $\frac{1}{5000}$

☒ 3. 5000

☒ 4. 50

Question Type : MCQ

Question ID : 630680163140

Option 1 ID : 630680631785

Option 2 ID : 630680631784

Option 3 ID : 630680631787

Option 4 ID : 630680631786

Status : Answered

Chosen Option : 2

Marks : 2

Q.46 The statements pertaining to the construction of earth dams are given as options. Select the correct statement.

Ans

☒ 1. It cannot be used as an overflow dam.

☒ 2. Such dams are made up of transported soils from distant places.

☒ 3. Highly skilled labour is necessary for the construction of such dams.

☒ 4. Such dams can be constructed only on sound rock foundations.

Question Type : MCQ

Question ID : 630680199357

Option 1 ID : 630680773069

Option 2 ID : 630680773067

Option 3 ID : 630680773070

Option 4 ID : 630680773068

Status : Answered

Chosen Option : 4

Marks : 0

Q.47 In a crushing test of aggregate, each layer of the sample is tamped _____ times , as per IS 2386 (PART IV).

Ans

☒ 1. 25

☒ 2. 18

☒ 3. 15

☒ 4. 35

Question Type : MCQ

Question ID : 630680160603

Option 1 ID : 630680621784

Option 2 ID : 630680621785

Option 3 ID : 630680621787

Option 4 ID : 630680621786

Status : Answered

Chosen Option : 1

Marks : 2

Q.48 The purpose of sludge thickening is to reduce moisture content of the sludge, consequently to increase the concentration of solids. Which of the following treatment methods is NOT a method of sludge thickening?

- Ans ☒ 1. Digestion
☒ 2. Air floatation
☒ 3. Gravity thickening
☒ 4. Centrifugation

Question Type : MCQ

Question ID : 630680182629

Option 1 ID : 630680707624

Option 2 ID : 630680707622

Option 3 ID : 630680707621

Option 4 ID : 630680707623

Status : Answered

Chosen Option : 2

Marks : 0

Q.49 The prime coat used in bituminous pavements is a ____.

- Ans ☒ 1. low viscous material
☒ 2. very high viscous material
☒ 3. highly viscous material
☒ 4. medium viscous material

Question Type : MCQ

Question ID : 630680191589

Option 1 ID : 630680742978

Option 2 ID : 630680742980

Option 3 ID : 630680742977

Option 4 ID : 630680742979

Status : Answered

Chosen Option : 4

Marks : 0

Q.50 If the net ultimate bearing capacity is 250 kN/m^2 ; the FOS is 2.5 and the overburden pressure is 50 kN/m^2 , then the gross safe bearing capacity is:

- Ans ☒ 1. 50 kN/m^2
☒ 2. 625 kN/m^2
☒ 3. 100 kN/m^2
☒ 4. 150 kN/m^2

Question Type : MCQ

Question ID : 630680181851

Option 1 ID : 630680704640

Option 2 ID : 630680704639

Option 3 ID : 630680704638

Option 4 ID : 630680704641

Status : Answered

Chosen Option : 4

Marks : 2

Q.51 When does the minimum stress is equal to zero, in a short column subjected to combined direct and bending stress?

- Ans
- ☐ 1. When direct stress is greater than bending stress
 - ☐ 2. When direct stress is less than bending stress
 - ☐ 3. When direct stress is twice the bending stress
 - ☒ 4. When direct stress is equal to bending stress

Question Type : MCQ

Question ID : 630680191206

Option 1 ID : 630680741465

Option 2 ID : 630680741466

Option 3 ID : 630680741468

Option 4 ID : 630680741467

Status : Answered

Chosen Option : 4

Marks : 2

Q.52 Under which category of building construction do air traffic control towers come?

- Ans
- ☐ 1. Institutional building
 - ☐ 2. Hazardous building
 - ☐ 3. Storage building
 - ☒ 4. Business building

Question Type : MCQ

Question ID : 630680167322

Option 1 ID : 630680648055

Option 2 ID : 630680648052

Option 3 ID : 630680648054

Option 4 ID : 630680648053

Status : Answered

Chosen Option : 4

Marks : 2

Q.53 Which of the following types of footing is used in load bearing masonry construction?

- Ans
- ☒ 1. Strip footing
 - ☐ 2. Under reamed pile
 - ☐ 3. Raft footing
 - ☐ 4. Combined footing

Question Type : MCQ

Question ID : 630680198698

Option 1 ID : 630680770751

Option 2 ID : 630680770754

Option 3 ID : 630680770753

Option 4 ID : 630680770752

Status : Answered

Chosen Option : 1

Marks : 2

Q.54 Identify the INCORRECT statement about the Reynold's number.

- Ans ☒ 1. For flow in circular pipes, the flow will be laminar if Reynold's number is less than 4000.
- ☒ 2. It is a useful parameter to predict whether the flow is laminar or turbulent.
- ☒ 3. It is a dimensionless parameter.
- ☒ 4. It relates Inertia force to viscous force.

Question Type : MCQ

Question ID : 630680205672

Option 1 ID : 630680797502

Option 2 ID : 630680797501

Option 3 ID : 630680797500

Option 4 ID : 630680797499

Status : Answered

Chosen Option : 1

Marks : 2

Q.55 Which of the following IS codes refers to Portland Pozzolana Cement?

- Ans ☒ 1. IS 4031-1989
- ☒ 2. IS 1489-1991
- ☒ 3. IS 456-1989
- ☒ 4. IS 8041-1990

Question Type : MCQ

Question ID : 630680160614

Option 1 ID : 630680621828

Option 2 ID : 630680621830

Option 3 ID : 630680621831

Option 4 ID : 630680621829

Status : Answered

Chosen Option : 2

Marks : 2

Q.56 Match the following.

A: Bentonite	(i) Volcanic ash transported by wind or water
B: Peat	(ii) Volcanic ash that is chemically weathered
C: Marl	(iii) Organic soil
D: Tuff	(iv) Fine-grained, calcium carbonated soil of marine origin

- Ans
- ☒ 1. A-iv, B-i, C-iii, D-ii
 - ☒ 2. A-iii, B-ii, C-i, D-iv
 - ☒ 3. A-ii, B-iii, C-iv, D-i
 - ☒ 4. A-i, B-iv, C-ii, D-iii

Question Type : MCQ
Question ID : 630680181876
Option 1 ID : 630680704740
Option 2 ID : 630680704739
Option 3 ID : 630680704738
Option 4 ID : 630680704741
Status : Answered
Chosen Option : 3
Marks : 2

Q.57 Which type of bitumen does NOT require heating?

- Ans
- ☒ 1. Polymer modified bitumen
 - ☒ 2. Binders
 - ☒ 3. Cut back
 - ☒ 4. Rapid setting emulsion

Question Type : MCQ
Question ID : 630680198686
Option 1 ID : 630680770703
Option 2 ID : 630680770704
Option 3 ID : 630680770705
Option 4 ID : 630680770706
Status : Answered
Chosen Option : 1
Marks : 0

Q.58 Which of the following statements is correct?

- Ans ☒ 1. Both intermediate sight and back sight are taken on a change point.
- ☒ 2. Both fore sight and back sight are taken on a change point.
- ☒ 3. Both fore sight and intermediate sight are taken on a change point.
- ☒ 4. Back sight, fore sight and intermediate sight are taken on a change point.

Question Type : MCQ

Question ID : 630680163157

Option 1 ID : 630680631854

Option 2 ID : 630680631852

Option 3 ID : 630680631853

Option 4 ID : 630680631855

Status : Answered

Chosen Option : 2

Marks : 2

Q.59 Which of the following does not refer to necessity of irrigation in an area?

- Ans ☒ 1. Non-uniform rainfall
- ☒ 2. Less rainfall
- ☒ 3. Growing perennial crops
- ☒ 4. Scarcity of agricultural land

Question Type : MCQ

Question ID : 630680199348

Option 1 ID : 630680773033

Option 2 ID : 630680773032

Option 3 ID : 630680773034

Option 4 ID : 630680773031

Status : Answered

Chosen Option : 1

Marks : 0

Q.60 The achieved dry density in a field is 16 kN/m^3 and the MDD value is 20 kN/m^3 . What will be the value of relative compaction?

- Ans ☒ 1. 4
- ☒ 2. 1.25
- ☒ 3. 0.45
- ☒ 4. 0.8

Question Type : MCQ

Question ID : 630680181858

Option 1 ID : 630680704669

Option 2 ID : 630680704667

Option 3 ID : 630680704668

Option 4 ID : 630680704666

Status : Answered

Chosen Option : 4

Marks : 2

Q.61 A hollow rectangular section has outer depth 10 cm and width 5 cm. The all-round thickness of the section is 1 cm. Find the moment of inertia (in cm^4) about horizontal axis passing through the centroid.

- Ans
- ☒ 1. $3464/12 \text{ cm}^4$
 - ☐ 2. $1928/12 \text{ cm}^4$
 - ☐ 3. $3464/3 \text{ cm}^4$
 - ☐ 4. $1928/3 \text{ cm}^4$

Question Type : MCQ

Question ID : 630680311960

Option 1 ID : 6306801213745

Option 2 ID : 6306801213747

Option 3 ID : 6306801213746

Option 4 ID : 6306801213748

Status : Answered

Chosen Option : 2

Marks : 0

Q.62 Which of the following is a cheaper variety of paint?

- Ans
- ☐ 1. Spray
 - ☐ 2. Enamel
 - ☐ 3. Colour wash
 - ☒ 4. Distempers

Question Type : MCQ

Question ID : 630680198706

Option 1 ID : 630680770783

Option 2 ID : 630680770786

Option 3 ID : 630680770784

Option 4 ID : 630680770785

Status : Answered

Chosen Option : 4

Marks : 2

Q.63 Calculate the limiting moment of resistance in accordance with the limit state design of a singly reinforced rectangular beam whose width is 200 mm and effective depth of 400 mm. Consider the grade of steel as Fe415 and concrete M20.

- Ans
- ☐ 1. 105.59 kN-m
 - ☐ 2. 43.33 kN-m
 - ☐ 3. 62.24 kN-m
 - ☒ 4. 88.32 kN-m

Question Type : MCQ

Question ID : 630680200551

Option 1 ID : 630680777562

Option 2 ID : 630680777559

Option 3 ID : 630680777560

Option 4 ID : 630680777561

Status : Answered

Chosen Option : 1

Marks : 0

Q.64 Which of the following road development plans in India is also known as the Lucknow road plan?

- Ans
- ☐ 1. Fourth twenty-year road development plan
 - ☐ 2. First twenty-year road development plan
 - ☒ 3. Third twenty-year road development plan
 - ☐ 4. Second twenty-year road development plan

Question Type : MCQ

Question ID : 630680191629

Option 1 ID : 630680743140

Option 2 ID : 630680743137

Option 3 ID : 630680743139

Option 4 ID : 630680743138

Status : Answered

Chosen Option : 2

Marks : 0

Q.65 Which of the following errors is NOT eliminated in reciprocal levelling?

- Ans
- ☐ 1. Errors caused by the curvature of the Earth
 - ☒ 2. Cumulative errors
 - ☐ 3. Errors caused by imperfect adjustment of level
 - ☐ 4. Errors caused by variations in the average refraction

Question Type : MCQ

Question ID : 630680163163

Option 1 ID : 630680631877

Option 2 ID : 630680631879

Option 3 ID : 630680631878

Option 4 ID : 630680631876

Status : Answered

Chosen Option : 1

Marks : 0

Q.66 In case of axial loading conditions on a circular cross-section of a short column, the nature of stress on the section may be _____.

- Ans
- ☐ 1. pure shear stresses
 - ☐ 2. bending and compressive stresses
 - ☐ 3. bending and tensile stresses
 - ☒ 4. pure compressive stresses

Question Type : MCQ

Question ID : 630680191201

Option 1 ID : 630680741446

Option 2 ID : 630680741445

Option 3 ID : 630680741448

Option 4 ID : 630680741447

Status : Answered

Chosen Option : 4

Marks : 2

Q.67 According to IS 383, sand can be divided into how many grading zones?

- Ans
- ☒ 1. Six
 - ☒ 2. Seven
 - ☒ 3. Four
 - ☒ 4. One

Question Type : MCQ

Question ID : 630680191300

Option 1 ID : 630680741843

Option 2 ID : 630680741844

Option 3 ID : 630680741841

Option 4 ID : 630680741842

Status : Answered

Chosen Option : 1

Marks : 0

Q.68 Which of the following is NOT a type of composite masonry?

- Ans
- ☒ 1. Brick composite masonry
 - ☒ 2. Hollow clay tile masonry
 - ☒ 3. Pebble composite masonry
 - ☒ 4. Crystal lump masonry

Question Type : MCQ

Question ID : 630680198673

Option 1 ID : 630680770654

Option 2 ID : 630680770652

Option 3 ID : 630680770651

Option 4 ID : 630680770653

Status : Answered

Chosen Option : 4

Marks : 0

Q.69 The height and base width of a masonry dam is 12 m and 6 m, respectively. Find the range of distance on base from heel of dam where a resultant stress may act in order to cause only compression stress at the base.

- Ans
- ☒ 1. Between 2 m to 4 m from heel
 - ☒ 2. Between 1 m to 5 m from heel
 - ☒ 3. Between 0 m to 2 m from heel
 - ☒ 4. Between 4 m to 6 m from heel

Question Type : MCQ

Question ID : 630680191191

Option 1 ID : 630680741408

Option 2 ID : 630680741405

Option 3 ID : 630680741407

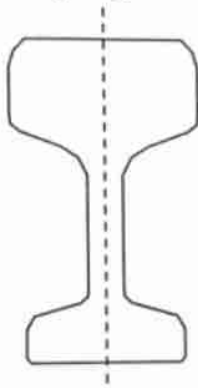
Option 4 ID : 630680741406

Status : Answered

Chosen Option : 1

Marks : 2

Q.70 Identify the type of rail section shown in the figure given below.



- Ans
- ☐ 1. Flat footed rail
 - ☐ 2. Double headed rail
 - ☐ 3. Square head rail
 - ☒ 4. Bull headed rail

Question Type : MCQ

Question ID : 630680191581

Option 1 ID : 630680742947

Option 2 ID : 630680742945

Option 3 ID : 630680742948

Option 4 ID : 630680742946

Status : Answered

Chosen Option : 4

Marks : 2

Q.71 The foundation whose width is generally equal to or greater than its depth is called _____.

- Ans
- ☐ 1. caisson foundation
 - ☒ 2. shallow foundation
 - ☐ 3. pile foundation
 - ☐ 4. deep foundation

Question Type : MCQ

Question ID : 630680167324

Option 1 ID : 630680648060

Option 2 ID : 630680648063

Option 3 ID : 630680648061

Option 4 ID : 630680648062

Status : Answered

Chosen Option : 2

Marks : 2

Q.72 As per IS 456:2000, the design stress in the concrete corresponding to the maximum compressive strain in concrete under axial loading at the limit state of collapse is _____, where, f_{ck} is the characteristic compressive strength of concrete at 28 days of curing.

- Ans
- ☒ 1. $0.366 f_{ck}$
 - ☒ 2. $0.67 f_{ck}$
 - ☒ 3. $0.447 f_{ck}$
 - ☒ 4. $0.85 f_{ck}$

Question Type : MCQ

Question ID : 630680200553

Option 1 ID : 630680777570

Option 2 ID : 630680777567

Option 3 ID : 630680777568

Option 4 ID : 630680777569

Status : Answered

Chosen Option : 3

Marks : 2

Q.73 An irregular solid object is divided into three equal areas of 10 mm^2 . The radius of gyration from an axis is 10 mm. The moment of inertia of the lamina will be _____.

- Ans
- ☒ 1. 9000 mm^4
 - ☒ 2. 1000 mm^4
 - ☒ 3. 1500 mm^4
 - ☒ 4. 3000 mm^4

Question Type : MCQ

Question ID : 630680311956

Option 1 ID : 6306801213732

Option 2 ID : 6306801213730

Option 3 ID : 6306801213731

Option 4 ID : 6306801213729

Status : Answered

Chosen Option : 4

Marks : 2

Q.74 The relationship between C_d , C_c and C_v is _____.

Where C_d = coefficient of discharge

C_c = coefficient of contraction

C_v = coefficient of velocity

Ans

✓ 1. $C_d = C_c * C_v$

✗ 2. $C_c = C_d * C_v$

✗ 3. $C_v = C_c * C_d$

✗ 4. $C_d * C_c * C_v = 1$

Question Type : MCQ

Question ID : 630680206123

Option 1 ID : 630680799291

Option 2 ID : 630680799292

Option 3 ID : 630680799293

Option 4 ID : 630680799294

Status : Answered

Chosen Option : 1

Marks : 2

Q.75 Which of the following is NOT a part or appurtenance of hydraulic jump type stilling basin?

Ans ✗ 1. Chute blocks

✓ 2. Projected blocks

✗ 3. Basin blocks

✗ 4. Dentated end sills

Question Type : MCQ

Question ID : 630680199360

Option 1 ID : 630680773082

Option 2 ID : 630680773079

Option 3 ID : 630680773081

Option 4 ID : 630680773080

Status : Answered

Chosen Option : 4

Marks : 0

Q.76 In a certain code language, if PLANET is coded as 68, MOON is coded as 57, then what will STAR be coded as?

- Ans
- ☒ 1. 50
 - ☒ 2. 44
 - ☒ 3. 58
 - ☒ 4. 68

Question Type : MCQ

Question ID : 630680511704

Option 1 ID : 6306801999789

Option 2 ID : 6306801999786

Option 3 ID : 6306801999788

Option 4 ID : 6306801999787

Status : Answered

Chosen Option : 3

Marks : 2

Q.77 खालील शब्दाचा विरुद्धार्थी शब्द ओळखा.
'बेलगाम'

- Ans
- ☒ 1. संयमी
 - ☒ 2. बेधडक
 - ☒ 3. भरधाव
 - ☒ 4. बेईमान

Question Type : MCQ

Question ID : 630680511692

Option 1 ID : 6306801999738

Option 2 ID : 6306801999740

Option 3 ID : 6306801999741

Option 4 ID : 6306801999739

Status : Answered

Chosen Option : 1

Marks : 2

Q.78 From the options given below choose the antonym (opposite meaning) of the word:
Harmony

- Ans
- ☒ 1. empathy
 - ☒ 2. conflict
 - ☒ 3. peace
 - ☒ 4. proportion

Question Type : MCQ

Question ID : 630680511687

Option 1 ID : 6306801999721

Option 2 ID : 6306801999719

Option 3 ID : 6306801999720

Option 4 ID : 6306801999718

Status : Answered

Chosen Option : 3

Marks : 0

Q.79 खालील वाक्यचाराचा योग्य अर्थ ओळखा.
'केसाने गळा कापणे'

- Ans ☒ 1. नाजूक काम करणे
☒ 2. विश्वासघात करणे
☒ 3. कौशल्य दर्शविणे
☒ 4. पेचात सापडणे

Question Type : MCQ

Question ID : 630680511694

Option 1 ID : 6306801999746

Option 2 ID : 6306801999747

Option 3 ID : 6306801999748

Option 4 ID : 6306801999749

Status : Answered

Chosen Option : 2

Marks : 2

Q.80 Which Bill was proposed in the Lok Sabha to replace the existing Indian Penal Code?

- Ans ☒ 1. Indian Penal Code (IPC) Amendment Act
☒ 2. Bharatiya Nyaya Sanhita (BNS)
☒ 3. Criminal Justice Reform Bill
☒ 4. Lok Sabha Justice Directive Act

Question Type : MCQ

Question ID : 630680511697

Option 1 ID : 6306801999759

Option 2 ID : 6306801999758

Option 3 ID : 6306801999760

Option 4 ID : 6306801999761

Status : Answered

Chosen Option : 1

Marks : 0

Q.81 खालील शब्दाचा अचूक अर्थ ओळखा.
'अंकुर'

- Ans ☒ 1. बी
☒ 2. कोंभ
☒ 3. मोहोर
☒ 4. खोड

Question Type : MCQ

Question ID : 630680511690

Option 1 ID : 6306801999730

Option 2 ID : 6306801999731

Option 3 ID : 6306801999732

Option 4 ID : 6306801999733

Status : Answered

Chosen Option : 2

Marks : 2

Q.82 Which of the following rivers is not a Himalayan river?

- Ans
- ☒ 1. The Indus
 - ☒ 2. The Ganga
 - ☒ 3. The Kaveri
 - ☒ 4. The Brahmaputra

Question Type : MCQ

Question ID : 630680511700

Option 1 ID : 6306801999771

Option 2 ID : 6306801999772

Option 3 ID : 6306801999770

Option 4 ID : 6306801999773

Status : Answered

Chosen Option : 3

Marks : 2

Q.83 खालील शब्दाचा समानार्थी शब्द ओळखा.
'तम'

- Ans
- ☒ 1. कवडसे
 - ☒ 2. काळोख
 - ☒ 3. धुसर
 - ☒ 4. उजेड

Question Type : MCQ

Question ID : 630680511691

Option 1 ID : 6306801999737

Option 2 ID : 6306801999734

Option 3 ID : 6306801999736

Option 4 ID : 6306801999735

Status : Answered

Chosen Option : 4

Marks : 0

Q.84 Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the odd letter-cluster.

- Ans
- ☒ 1. MO
 - ☒ 2. JL
 - ☒ 3. UW
 - ☒ 4. TR

Question Type : MCQ

Question ID : 630680511708

Option 1 ID : 6306801999802

Option 2 ID : 6306801999805

Option 3 ID : 6306801999804

Option 4 ID : 6306801999803

Status : Answered

Chosen Option : 4

Marks : 2

Q.85 How many consonants are there in the given series that are immediately preceded and followed by a different vowel?

H*JP@MK#ALE\$QIMLN%OPI

Ans ☒ 1. 2

☐ 2. 3

☐ 3. 1

☐ 4. 0

Question Type : MCQ

Question ID : 630680511703

Option 1 ID : 6306801999782

Option 2 ID : 6306801999783

Option 3 ID : 6306801999785

Option 4 ID : 6306801999784

Status : Answered

Chosen Option : 1

Marks : 2

Q.86 Choose the option which is a synonym (similar to) the bracketed word used in the sentence given below:

When asked about her vacation plans, Neha (facetiously) replied that she is going to the moon.

Ans ☒ 1. humorous

☐ 2. simply

☐ 3. quickly

☐ 4. seriously

Question Type : MCQ

Question ID : 630680511686

Option 1 ID : 6306801999715

Option 2 ID : 6306801999716

Option 3 ID : 6306801999717

Option 4 ID : 6306801999714

Status : Answered

Chosen Option : 4

Marks : 0

Q.87 From the options given below choose the antonym (opposite meaning) of the word: Alleviate

Ans ☒ 1. heighten

☐ 2. enhance

☐ 3. relieve

☐ 4. amend

Question Type : MCQ

Question ID : 630680511689

Option 1 ID : 6306801999729

Option 2 ID : 6306801999728

Option 3 ID : 6306801999726

Option 4 ID : 6306801999727

Status : Answered

Chosen Option : 1

Marks : 2

Q.88 Which iconic figure started the Militant Naujawan Bharat Sabha in Punjab?

- Ans
- ☒ 1. Dadabhai Naoroji
 - ☒ 2. Bhagat Singh
 - ☒ 3. Dr. Rajendra Prasad
 - ☒ 4. Durgabai Deshmukh

Question Type : MCQ

Question ID : 630680511698

Option 1 ID : 6306801999763

Option 2 ID : 6306801999762

Option 3 ID : 6306801999765

Option 4 ID : 6306801999764

Status : Answered

Chosen Option : 2

Marks : 2

Q.89 Select the option that is related to the third word in the same way as the second word is related to the first word.

Horse : Mare :: Peacock : ?

- Ans
- ☒ 1. Goose
 - ☒ 2. Doe
 - ☒ 3. Countess
 - ☒ 4. Peahen

Question Type : MCQ

Question ID : 630680511707

Option 1 ID : 6306801999801

Option 2 ID : 6306801999800

Option 3 ID : 6306801999798

Option 4 ID : 6306801999799

Status : Answered

Chosen Option : 2

Marks : 0

Q.90 Two statements are given followed by two conclusions numbered I and II. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

- I. Some athletes are dedicated.
- II. No dedicated is lazy.

Conclusions:

- I. Some dedicated are athletes.
- II. No athlete is lazy.

- Ans
- ☒ 1. Only conclusion I follows
 - ☐ 2. Only conclusion II follows
 - ☐ 3. Neither conclusion I nor II follows
 - ☐ 4. Both conclusions I and II follow

Question Type : MCQ

Question ID : 630680511706

Option 1 ID : 6306801999794

Option 2 ID : 6306801999795

Option 3 ID : 6306801999797

Option 4 ID : 6306801999796

Status : Answered

Chosen Option : 1

Marks : 2

Q.91 Which of the following countries is a member of G20?

- Ans
- ☐ 1. Spain
 - ☒ 2. Australia
 - ☐ 3. Netherlands
 - ☐ 4. UAE

Question Type : MCQ

Question ID : 630680511696

Option 1 ID : 6306801999754

Option 2 ID : 6306801999757

Option 3 ID : 6306801999755

Option 4 ID : 6306801999756

Status : Answered

Chosen Option : 4

Marks : 0

Q.92 How many regional languages are listed as India's scheduled languages?

- Ans
- ☐ 1. 26
 - ☐ 2. 17
 - ☐ 3. 28
 - ☒ 4. 22

Question Type : MCQ
Question ID : 630680511699
Option 1 ID : 6306801999768
Option 2 ID : 6306801999766
Option 3 ID : 6306801999769
Option 4 ID : 6306801999767
Status : Answered
Chosen Option : 2
Marks : 0

Q.93 Choose the option which is a synonym (similar to) the bracketed word used in the sentence given below:

She is (cognizant) of her duties as a mother

- Ans
- ☐ 1. forgetful
 - ☒ 2. aware
 - ☐ 3. oblivious
 - ☐ 4. unwary

Question Type : MCQ
Question ID : 630680511685
Option 1 ID : 6306801999711
Option 2 ID : 6306801999712
Option 3 ID : 6306801999710
Option 4 ID : 6306801999713
Status : Answered
Chosen Option : 2
Marks : 2

Q.94 Pointing to a boy in the photograph, a woman says, "He is the only son of my husband's parents." How is the woman related to the boy?

- Ans
- ☒ 1. Wife
 - ☐ 2. Mother
 - ☐ 3. Daughter
 - ☐ 4. Sister

Question Type : MCQ
Question ID : 630680511705
Option 1 ID : 6306801999792
Option 2 ID : 6306801999793
Option 3 ID : 6306801999791
Option 4 ID : 6306801999790
Status : Answered
Chosen Option : 1
Marks : 2

Q.95 खालील वाक्याचा प्रकार ओळखा.
'फटाके उडवताना काळजी घ्यावी.'

- Ans ☒ 1. विध्यर्थी
☒ 2. आज्ञार्थी
☒ 3. प्रश्नार्थी
☒ 4. संकेतार्थी

Question Type : MCQ
Question ID : 630680511695
Option 1 ID : 6306801999753
Option 2 ID : 6306801999752
Option 3 ID : 6306801999750
Option 4 ID : 6306801999751
Status : Answered
Chosen Option : 2
Marks : 0

Q.96 Which article in the Indian constitution prohibits the practice of untouchability?

- Ans ☒ 1. Article 18
☒ 2. Article 14
☒ 3. Article 17
☒ 4. Article 15

Question Type : MCQ
Question ID : 630680511701
Option 1 ID : 6306801999776
Option 2 ID : 6306801999775
Option 3 ID : 6306801999774
Option 4 ID : 6306801999777
Status : Answered
Chosen Option : 4
Marks : 0

Q.97 Choose the option which are antonyms (opposite of) the word used in the sentence given below:

Marie Curie's great exuberance for learning prompted her to continue with her studies after high school. She became disgruntled, however, when she learned that the university in Warsaw was closed to women.

- Ans ☒ 1. prompted/ invoked
☒ 2. learning/ knowledge
☒ 3. disgruntled/ satisfied
☒ 4. exuberance/ enthusiasmm

Question Type : MCQ
Question ID : 630680511684
Option 1 ID : 6306801999708
Option 2 ID : 6306801999707
Option 3 ID : 6306801999709
Option 4 ID : 6306801999706
Status : Answered
Chosen Option : 3
Marks : 2

Q.98 Five colleagues are sitting in a row facing east. Alex is to the immediate left of Bob and to the immediate right of Chris. David is to the right of Bob. Emma is between Bob and David. Who is sitting to the immediate right of Emma?

- Ans
- ☒ 1. Alex
 - ☒ 2. Chris
 - ☒ 3. Bob
 - ☒ 4. David

Question Type : MCQ

Question ID : 630680511702

Option 1 ID : 6306801999780

Option 2 ID : 6306801999778

Option 3 ID : 6306801999779

Option 4 ID : 6306801999781

Status : Answered

Chosen Option : 4

Marks : 2

Q.99 From the options given below choose the synonym (similar meaning) of the word: Quandary

- Ans
- ☒ 1. achievement
 - ☒ 2. dilemma
 - ☒ 3. serendipity
 - ☒ 4. solution

Question Type : MCQ

Question ID : 630680511688

Option 1 ID : 6306801999725

Option 2 ID : 6306801999724

Option 3 ID : 6306801999723

Option 4 ID : 6306801999722

Status : Answered

Chosen Option : 4

Marks : 0

Q.100 खालील वाक्याचे नकारार्थी वाक्यात रूपांतर केलेले वाक्य ओळखा.
'रोहन निर्दोष आहे.'

- Ans
- ☒ 1. रोहन आरोपी आहे.
 - ☒ 2. रोहन निर्दोष नाही.
 - ☒ 3. रोहन गुन्हेगार आहे.
 - ☒ 4. रोहन दोषी नाही.

Question Type : MCQ

Question ID : 630680511693

Option 1 ID : 6306801999743

Option 2 ID : 6306801999744

Option 3 ID : 6306801999742

Option 4 ID : 6306801999745

Status : Answered

Chosen Option : 4

Marks : 2

Answer Key of PWD Recruitment Exam 2023, 13th Dec to 28th Dec 2023 for Objection Handling Purpose Only

Participant ID	
Participant Name	
Test Center Name	
Test Date	15/12/2023
Test Time	4:00 PM - 5:30 PM
Subject	Junior Engineer (Civil)
Candidates Application photo	
Candidate Registration photo	

Section : Civil Engineering (Diploma Level)

Q.1 A steel plate 4 mm thick and 1000 mm long is bent by a couple M_0 into a circular arc such that the radius of curvature is 1500 mm. Find the maximum bending stress if the modulus of elasticity (E) of plate is 2×10^6 N/mm².

- Ans
- ☒ 1. 315 N/mm²
 - ☒ 2. 256.67 N/mm²
 - ☒ 3. 200 N/mm²
 - ☒ 4. 66.67 N/mm²

Question Type : MCQ

Question ID : 630680311950

Option 1 ID : 6306801213705

Option 2 ID : 6306801213708

Option 3 ID : 6306801213706

Option 4 ID : 6306801213707

Status : Answered

Chosen Option : 3

Marks : 0

Q.2 Which of the following statements is/are true for the total quantity method?

Statement 1:

In the total quantity method, the items of work are divided into the following five sub-divisions: (a) material, (b) labour, (c) plant, (d) overheads, (e) profit.

Statement 2:

The total quantity of each kind or class of material or labour is found and multiplied by their individual unit cost.

- Ans
- ☐ 1. Statement 1 is false, Statement 2 is true
 - ☐ 2. Both Statement 1 and Statement 2 are false
 - ☐ 3. Statement 1 is true, Statement 2 is false
 - ☒ 4. Both Statement 1 and Statement 2 are true

Question Type : MCQ

Question ID : 630680211760

Option 1 ID : 630680821190

Option 2 ID : 630680821188

Option 3 ID : 630680821189

Option 4 ID : 630680821187

Status : Answered

Chosen Option : 4

Marks : 2

Q.3 The bulk density of aggregates does NOT depend upon which of the following factors?

- Ans
- ☐ 1. Specific gravity and shape of aggregates
 - ☐ 2. Shape and size of aggregates
 - ☒ 3. The container's dimensions and shape
 - ☐ 4. Grading and size of aggregates

Question Type : MCQ

Question ID : 630680160600

Option 1 ID : 630680621774

Option 2 ID : 630680621772

Option 3 ID : 630680621773

Option 4 ID : 630680621775

Status : Answered

Chosen Option : 3

Marks : 2

Q.4 Which of the following geometric elements of highways is provided between the carriage way and the footpath?

- Ans
- ☐ 1. Drainage
 - ☐ 2. Median
 - ☐ 3. Camber
 - ☒ 4. Kerb

Question Type : MCQ

Question ID : 630680191606

Option 1 ID : 630680743046

Option 2 ID : 630680743048

Option 3 ID : 630680743045

Option 4 ID : 630680743047

Status : Answered

Chosen Option : 1

Marks : 0

Q.5 Acid-resistant cement and gypsum are examples of _____ materials.

- Ans
- ☒ 1. sewn binding
 - ☒ 2. air binding
 - ☒ 3. rigorous binding
 - ☒ 4. glued binding

Question Type : MCQ

Question ID : 630680198696

Option 1 ID : 630680770743

Option 2 ID : 630680770744

Option 3 ID : 630680770746

Option 4 ID : 630680770745

Status : Answered

Chosen Option : 3

Marks : 0

Q.6 The term $\frac{v^2}{2g}$ in the Bernoulli's equation is known as _____ .

Where

v = velocity of flow

g = acceleration due to gravity

- Ans
- ☒ 1. kinetic head
 - ☒ 2. datum head
 - ☒ 3. potential head
 - ☒ 4. static head

Question Type : MCQ

Question ID : 630680206140

Option 1 ID : 630680799359

Option 2 ID : 630680799362

Option 3 ID : 630680799360

Option 4 ID : 630680799361

Status : Answered

Chosen Option : 1

Marks : 2

Q.7 Consider the below statements and identify the correct answer.

Statement A: The minimum shear reinforcement criteria for beams as mentioned in the IS 456 : 2000, is not applicable for lintel beams whose maximum shear stress is less than half the permissible value.

Statement B: Lintel beams support loads of a portion of the wall above the openings and transmits such load to ends of walls/ piers/ columns over which they are supported.

Ans ☒ 1. Statement A is correct and B is incorrect.

☒ 2. Both statements A and B are correct.

☒ 3. Both statements A and B are incorrect.

☒ 4. Statement B is correct and A is incorrect.

Question Type : MCQ

Question ID : 630680200560

Option 1 ID : 630680777595

Option 2 ID : 630680777597

Option 3 ID : 630680777598

Option 4 ID : 630680777596

Status : Answered

Chosen Option : 4

Marks : 0

Q.8 Aerated concrete generally exists as _____ in weight.

Ans ☒ 1. light

☒ 2. bulky

☒ 3. moderate

☒ 4. dense

Question Type : MCQ

Question ID : 630680198668

Option 1 ID : 630680770632

Option 2 ID : 630680770634

Option 3 ID : 630680770633

Option 4 ID : 630680770631

Status : Answered

Chosen Option : 1

Marks : 2

Q.9 A trapezoidal stress distribution diagram at the base of a circular chimney is a response of which type of load(s)?

Ans ☒ 1. Self-weight only

☒ 2. Wind pressure only

☒ 3. Both self-weight and wind pressure

☒ 4. Lateral load only

Question Type : MCQ

Question ID : 630680191186

Option 1 ID : 630680741385

Option 2 ID : 630680741386

Option 3 ID : 630680741388

Option 4 ID : 630680741387

Status : Answered

Chosen Option : 3

Marks : 2

Q.10 Impervious core in an earthen dam is placed at:

- Ans
- ☒ 1. top width
 - ☒ 2. central position
 - ☒ 3. outer downstream face
 - ☒ 4. outer upstream face

Question Type : MCQ

Question ID : 630680199359

Option 1 ID : 630680773078

Option 2 ID : 630680773077

Option 3 ID : 630680773076

Option 4 ID : 630680773075

Status : Answered

Chosen Option : 2

Marks : 2

Q.11 The load transfer across the transverse joints in a concrete pavement is done by _____.

- Ans
- ☒ 1. dowel bars
 - ☒ 2. tie bars
 - ☒ 3. anchor bars
 - ☒ 4. joist bars

Question Type : MCQ

Question ID : 630680191594

Option 1 ID : 630680742997

Option 2 ID : 630680742998

Option 3 ID : 630680742999

Option 4 ID : 630680743000

Status : Answered

Chosen Option : 1

Marks : 2

Q.12 A cantilever beam AB of length 6 m is subjected to two moments 8 kNm (anti-clockwise) and 10 kNm (clockwise) at 2 m and 4 m away from the fixed end, respectively. The magnitude of BM at 1 m from the fixed end will be equal to_____.

- Ans
- ☒ 1. 18 kNm
 - ☒ 2. 10 kNm
 - ☒ 3. 2 kNm
 - ☒ 4. 8 kNm

Question Type : MCQ

Question ID : 630680311966

Option 1 ID : 6306801213771

Option 2 ID : 6306801213769

Option 3 ID : 6306801213772

Option 4 ID : 6306801213770

Status : Answered

Chosen Option : 4

Marks : 0

Q.13 When using aggregates for a wearing course, the impact value should NOT be greater than _____.

- Ans
- ☒ 1. 42%
 - ☒ 2. 23%
 - ☒ 3. 30%
 - ☒ 4. 34%

Question Type : MCQ

Question ID : 630680160604

Option 1 ID : 630680621790

Option 2 ID : 630680621788

Option 3 ID : 630680621791

Option 4 ID : 630680621789

Status : Answered

Chosen Option : 1

Marks : 0

Q.14 Bamboo is used in which of the following kinds of construction?

- Ans
- ☒ 1. Scaffoldings
 - ☒ 2. Paving blocks
 - ☒ 3. Balconies
 - ☒ 4. Preparation of artificial sand

Question Type : MCQ

Question ID : 630680198701

Option 1 ID : 630680770765

Option 2 ID : 630680770764

Option 3 ID : 630680770763

Option 4 ID : 630680770766

Status : Answered

Chosen Option : 1

Marks : 2

Q.15 Consider the following statements.

Statement I: Hydraulic gradient line may rise in the direction of flow.

Statement II: Total energy line rise in the direction of the flow.

Which of the following options is correct?

- Ans
- ☒ 1. Both Statement I and II are false.
 - ☒ 2. Only Statement II is true.
 - ☒ 3. Both Statement I and II are true.
 - ☒ 4. Only Statement I is true.

Question Type : MCQ

Question ID : 630680206125

Option 1 ID : 630680799302

Option 2 ID : 630680799300

Option 3 ID : 630680799301

Option 4 ID : 630680799299

Status : Answered

Chosen Option : 3

Marks : 0

Q.16 Wind power or wind energy is mostly the use of wind turbines to generate electricity. One of the disadvantages of wind energy is that _____.

- Ans
- ☒ 1. it requires energy storage batteries
 - ☐ 2. it supplies energy to rural areas
 - ☐ 3. it causes no pollution during electricity generation
 - ☐ 4. it is renewable energy

Question Type : MCQ

Question ID : 630680182632

Option 1 ID : 630680707635

Option 2 ID : 630680707636

Option 3 ID : 630680707633

Option 4 ID : 630680707634

Status : Answered

Chosen Option : 1

Marks : 2

Q.17 Which of the following assumptions of Rankine's theory are addressed/corrected in Coulomb's theory?

- i. The wall can be inclined.
- ii. The soil can be heterogeneous and anisotropic.
- iii. The backfill can be inclined.
- iv. The wall can have friction.

- Ans
- ☐ 1. i, ii and iv
 - ☐ 2. i, ii and iii
 - ☒ 3. i, iii and iv
 - ☐ 4. ii and iii

Question Type : MCQ

Question ID : 630680181855

Option 1 ID : 630680704655

Option 2 ID : 630680704654

Option 3 ID : 630680704656

Option 4 ID : 630680704657

Status : Answered

Chosen Option : 2

Marks : 0

Q.18 As per IS 456 : 2000, the diameter of longitudinal reinforcement provided in reinforced cement concrete columns shall NOT be less than _____ mm.

- Ans
- ☒ 1. twelve
 - ☐ 2. eight
 - ☐ 3. sixteen
 - ☐ 4. ten

Question Type : MCQ

Question ID : 630680200544

Option 1 ID : 630680777532

Option 2 ID : 630680777534

Option 3 ID : 630680777531

Option 4 ID : 630680777533

Status : Answered

Chosen Option : 1

Marks : 2

Q.19 Which of the following is NOT a type of canal based on alignment?

- Ans
- ☐ 1. Watershed canal
 - ☐ 2. Contour canal
 - ☐ 3. Side slope canal
 - ☒ 4. Water course canal

Question Type : MCQ

Question ID : 630680199378

Option 1 ID : 630680773152

Option 2 ID : 630680773154

Option 3 ID : 630680773151

Option 4 ID : 630680773153

Status : Answered

Chosen Option : 3

Marks : 0

Q.20 The crippling load will be maximum for a column with_____.

- Ans
- ☐ 1. one end fixed and other end free
 - ☐ 2. one end hinged and other free
 - ☐ 3. both ends free
 - ☒ 4. both ends fixed

Question Type : MCQ

Question ID : 630680311953

Option 1 ID : 6306801213717

Option 2 ID : 6306801213718

Option 3 ID : 6306801213720

Option 4 ID : 6306801213719

Status : Answered

Chosen Option : 2

Marks : 0

Q.21 Identify the INCORRECT statement.

- Ans
- ☐ 1. An ideal fluid is imaginary.
 - ☒ 2. Newtonian fluid is an ideal fluid.
 - ☐ 3. An ideal fluid has no viscosity.
 - ☐ 4. An ideal fluid is incompressible.

Question Type : MCQ

Question ID : 630680206169

Option 1 ID : 630680799477

Option 2 ID : 630680799478

Option 3 ID : 630680799476

Option 4 ID : 630680799475

Status : Answered

Chosen Option : 3

Marks : 0

Q.22 Identify the correct assumption made in Bernoulli's equation.

- Ans ☒ 1. The fluid is ideal.
☐ 2. The flow is unsteady.
☐ 3. The flow is compressible.
☐ 4. The flow is rotational.

Question Type : MCQ
Question ID : 630680206137
Option 1 ID : 630680799347
Option 2 ID : 630680799348
Option 3 ID : 630680799350
Option 4 ID : 630680799349
Status : Answered
Chosen Option : 1
Marks : 2

Q.23 The extent of s = drainage area may be estimated on a contour map by locating the _____ around the watershed.

- Ans ☐ 1. cliff line
☐ 2. contour line
☐ 3. valley line
☒ 4. ridge line

Question Type : MCQ
Question ID : 630680163152
Option 1 ID : 630680631835
Option 2 ID : 630680631833
Option 3 ID : 630680631834
Option 4 ID : 630680631832
Status : Answered
Chosen Option : 2
Marks : 0

Q.24 The inclined structure which is constructed to transport persons or vehicles from one floor to another is called _____.

- Ans ☐ 1. lintel
☒ 2. ramp
☐ 3. staircase
☐ 4. lift

Question Type : MCQ
Question ID : 630680167311
Option 1 ID : 630680648011
Option 2 ID : 630680648008
Option 3 ID : 630680648010
Option 4 ID : 630680648009
Status : Answered
Chosen Option : 3
Marks : 0

Q.25 Which of the following spillways has an S-shape?

- Ans
- ☒ 1. Chute spillway
 - ☒ 2. Straight drop spillway
 - ☒ 3. Side channel spillway
 - ☒ 4. Ogee spillway

Question Type : MCQ

Question ID : 630680199366

Option 1 ID : 630680773104

Option 2 ID : 630680773103

Option 3 ID : 630680773106

Option 4 ID : 630680773105

Status : Answered

Chosen Option : 4

Marks : 2

Q.26 Undesirable and unwanted sound is called noise. The regulations about noise levels in the workspace environment are to be in sync with _____.

- Ans
- ☒ 1. OSHA
 - ☒ 2. OSRA
 - ☒ 3. OSHA
 - ☒ 4. OSMA

Question Type : MCQ

Question ID : 630680182627

Option 1 ID : 630680707616

Option 2 ID : 630680707615

Option 3 ID : 630680707613

Option 4 ID : 630680707614

Status : Answered

Chosen Option : 2

Marks : 0

Q.27 Bus bays along the highway should be located at least _____ from the intersection.

- Ans
- ☒ 1. 75 m
 - ☒ 2. 50 m
 - ☒ 3. 150 m
 - ☒ 4. 300 m

Question Type : MCQ

Question ID : 630680191612

Option 1 ID : 630680743069

Option 2 ID : 630680743070

Option 3 ID : 630680743071

Option 4 ID : 630680743072

Status : Answered

Chosen Option : 1

Marks : 2

Q.28 What is the fineness modulus value of fine sand?

- Ans ☒ 1. 2.2 – 2.6
☐ 2. 1.5 – 2.1
☐ 3. Less than 1.7
☐ 4. 0.6 – 1.15

Question Type : MCQ

Question ID : 630680198693

Option 1 ID : 630680770734

Option 2 ID : 630680770732

Option 3 ID : 630680770731

Option 4 ID : 630680770733

Status : Answered

Chosen Option : 2

Marks : 0

Q.29 Which of the following does a plywood have?

- Ans ☐ 1. Flexibility
☐ 2. Showing swelling and wrapping
☐ 3. Heavyweight material
☒ 4. More impact resistance

Question Type : MCQ

Question ID : 630680198676

Option 1 ID : 630680770666

Option 2 ID : 630680770665

Option 3 ID : 630680770663

Option 4 ID : 630680770664

Status : Answered

Chosen Option : 4

Marks : 2

Q.30 The ratio of maximum shear stress in a circular section to that of maximum shear stress in a rectangular section, assuming that the average shear stress is same for both the section, will be:

Ans

✓ 1. $\frac{8}{9}$

✗ 2. $\frac{9}{8}$

✗ 3. $\frac{4}{3}$

✗ 4. $\frac{2}{3}$

Question Type : MCQ

Question ID : 630680311952

Option 1 ID : 6306801213715

Option 2 ID : 6306801213716

Option 3 ID : 6306801213713

Option 4 ID : 6306801213714

Status : Answered

Chosen Option : 4

Marks : 0

Q.31 Which of the following statements is FALSE?

Ans

✗ 1. The ridge line and the valley line cross at right angles.

✗ 2. Irregular contours represent uneven ground.

✓ 3. A contour line need not close itself.

✗ 4. Two contour lines of different elevations can intersect each other on an overhanging cliff.

Question Type : MCQ

Question ID : 630680163148

Option 1 ID : 630680631818

Option 2 ID : 630680631819

Option 3 ID : 630680631817

Option 4 ID : 630680631816

Status : Answered

Chosen Option : 3

Marks : 2

Q.32 The effective diameter of a soil is _____.

- Ans
- ☒ 1. the particle size corresponding to 10% finer particles
 - ☐ 2. the particle size below which the soil is uniformly graded
 - ☐ 3. the particle size corresponding to 90% finer particles
 - ☐ 4. the particle size which settles with 100% efficiency in the hydrometer test

Question Type : MCQ
Question ID : 630680181890
Option 1 ID : 630680704796
Option 2 ID : 630680704797
Option 3 ID : 630680704795
Option 4 ID : 630680704794
Status : Answered
Chosen Option : 2
Marks : 0

Q.33 The sulphur cycle is overloaded, due to burning of fossil fuels at an ever-increasing rate. An adverse ecological effect caused by high concentration of sulphur in the atmosphere is _____.

- Ans
- ☐ 1. global warming
 - ☐ 2. ozone depletion
 - ☐ 3. greenhouse effect
 - ☒ 4. acid rain

Question Type : MCQ
Question ID : 630680191243
Option 1 ID : 630680741613
Option 2 ID : 630680741616
Option 3 ID : 630680741615
Option 4 ID : 630680741614
Status : Answered
Chosen Option : 4
Marks : 2

Q.34 Geophysical methods and tests with the help of a cone penetrometer are a part of _____.

- Ans
- ☐ 1. detailed exploration
 - ☐ 2. undisturbed exploration
 - ☒ 3. preliminary exploration
 - ☐ 4. bore exploration

Question Type : MCQ
Question ID : 630680181868
Option 1 ID : 630680704707
Option 2 ID : 630680704709
Option 3 ID : 630680704706
Option 4 ID : 630680704708
Status : Answered
Chosen Option : 4
Marks : 0

Q.35 If a cantilever beam of length L is subjected to a point load (directed towards up) at its free end, the main reinforcement (longitudinal) should be provided at _____. Ignore the self-weight of the beam.

- Ans
- ☐ 1. just above the neutral axis of the beam
 - ☐ 2. neutral axis of the beam
 - ☐ 3. the top face of the beam with necessary cover thickness
 - ☒ 4. the bottom face of the beam with necessary cover thickness

Question Type : MCQ

Question ID : 630680200557

Option 1 ID : 630680777586

Option 2 ID : 630680777585

Option 3 ID : 630680777584

Option 4 ID : 630680777583

Status : Answered

Chosen Option : 2

Marks : 0

Q.36 _____ is a parameter expressed as carbon dioxide equivalent, which measures the total greenhouse gas emissions caused directly and indirectly by a person, organisation, event, product or country.

- Ans
- ☐ 1. Carbon credit
 - ☒ 2. Carbon footprint
 - ☐ 3. Carbon trading
 - ☐ 4. Carbon level

Question Type : MCQ

Question ID : 630680191250

Option 1 ID : 630680741643

Option 2 ID : 630680741642

Option 3 ID : 630680741641

Option 4 ID : 630680741644

Status : Answered

Chosen Option : 2

Marks : 2

Q.37 Which of the following statements is correct with respect to resultant stress at any section in a circular masonry chimney?

- Ans
- ☐ 1. It is a sum of bending stress and direct tensile stress.
 - ☐ 2. It is always advised to keep the resultant stress in tensile condition.
 - ☒ 3. It may be compressive or tensile in nature as per input parameters.
 - ☐ 4. It is a sum of bending stress and shear stress.

Question Type : MCQ

Question ID : 630680191183

Option 1 ID : 630680741373

Option 2 ID : 630680741376

Option 3 ID : 630680741375

Option 4 ID : 630680741374

Status : Answered

Chosen Option : 1

Marks : 0

Q.38 Identify the name of the given formula used for the estimation of the quantity of earthwork.

$$\text{Quantity of Earthwork} = (Bd_m + Sd_m^2) \times L$$

- Ans ☒ 1. Mid-sectional area method
☒ 2. Prismoidal formula method
☒ 3. Average cross-sectional area method
☒ 4. Mean sectional area method

Question Type : MCQ

Question ID : 630680211759

Option 1 ID : 630680821185

Option 2 ID : 630680821186

Option 3 ID : 630680821184

Option 4 ID : 630680821183

Status : Answered

Chosen Option : 2

Marks : 0

Q.39 The aggregate impact value of coarse aggregates used for wearing course should not exceed _____.

- Ans ☒ 1. 30%
☒ 2. 40%
☒ 3. 60%
☒ 4. 50%

Question Type : MCQ

Question ID : 630680191593

Option 1 ID : 630680742993

Option 2 ID : 630680742994

Option 3 ID : 630680742996

Option 4 ID : 630680742995

Status : Answered

Chosen Option : 1

Marks : 2

Q.40 Identify the correct answer by referring to below mentioned statements.

Statement 1: The moment of resistance capacity of a doubly reinforced beam for a given depth and width of the beam is lesser than that of a singly reinforced beam.

Statement 2: Doubly reinforced beams are more suitable than singly reinforced beams, when the beam is subjected to a shock or impact or accidental lateral thrust.

- Ans
- ☒ 1. Both statements 1 and 2 are correct.
 - ☒ 2. Both statements 1 and 2 are incorrect.
 - ☒ 3. Statement 1 is correct but 2 is incorrect.
 - ☒ 4. Statement 2 is correct but 1 is incorrect.

Question Type : MCQ

Question ID : 630680200545

Option 1 ID : 630680777537

Option 2 ID : 630680777538

Option 3 ID : 630680777535

Option 4 ID : 630680777536

Status : Answered

Chosen Option : 4

Marks : 2

Q.41 Which of the following is NOT a control measure of reservoir silting?

- Ans
- ☒ 1. Proper operation of scouring sluice gates.
 - ☒ 2. Growing more vegetation in the catchment area.
 - ☒ 3. Sufficient outlets at various elevations in the dam.
 - ☒ 4. Construction of large reservoirs on small streams.

Question Type : MCQ

Question ID : 630680199353

Option 1 ID : 630680773052

Option 2 ID : 630680773051

Option 3 ID : 630680773053

Option 4 ID : 630680773054

Status : Answered

Chosen Option : 4

Marks : 2

Q.42 The CBR value signifies the _____.

- Ans
- ☒ 1. penetration resistance of a soil
 - ☒ 2. expansion potential of a soil
 - ☒ 3. shear resistance of a soil
 - ☒ 4. bearing capacity of a soil

Question Type : MCQ

Question ID : 630680181869

Option 1 ID : 630680704710

Option 2 ID : 630680704712

Option 3 ID : 630680704711

Option 4 ID : 630680704713

Status : Answered

Chosen Option : 4

Marks : 0

Q.43 Which of the forces acting on a gravity dam is considered the most minor force and usually not taken into account for the design purpose?

- Ans
- ☐ 1. Uplift pressure
 - ☐ 2. Silt pressure
 - ☐ 3. Wave pressure
 - ☒ 4. Wind pressure

Question Type : MCQ

Question ID : 630680199362

Option 1 ID : 630680773090

Option 2 ID : 630680773089

Option 3 ID : 630680773087

Option 4 ID : 630680773088

Status : Answered

Chosen Option : 1

Marks : 0

Q.44 Identify the correct option by considering the below statements with respect to the gradients provided along the railway track

Statement A:

Pusher gradient is flatter than ruling gradient and they are provided to reduce the length of the railway line so that the overall cost

Statement B:

Momentum gradient is flatter than ruling gradient and they are provided in valley portion where a falling gradient is followed by a rising gradient.

- Ans
- ☐ 1. Both statements are correct
 - ☐ 2. Statement A is correct and B is incorrect
 - ☐ 3. Statement B is correct and A is incorrect
 - ☒ 4. Both statements are incorrect

Question Type : MCQ

Question ID : 630680191315

Option 1 ID : 630680741903

Option 2 ID : 630680741901

Option 3 ID : 630680741902

Option 4 ID : 630680741904

Status : Answered

Chosen Option : 2

Marks : 0

Q.45 Identify the equation that represents a compressible and incompressible flow, respectively.

Where,

ρ = density of the flowing fluid

A = cross sectional area of flow

V = Velocity of flow

P = pressure of the flowing fluid at any section

- Ans
- ☒ 1. $AV = \text{constant}$ and $AV \neq \text{constant}$
 - ☒ 2. $p = \text{constant}$ and $p \neq \text{constant}$
 - ☒ 3. $AV = \text{constant}$ and $p \neq \text{constant}$
 - ☒ 4. $p \neq \text{constant}$ and $p = \text{constant}$

Question Type : MCQ

Question ID : 630680206143

Option 1 ID : 630680799373

Option 2 ID : 630680799372

Option 3 ID : 630680799374

Option 4 ID : 630680799371

Status : Answered

Chosen Option : 2

Marks : 0

Q.46 In open channel flow, the predominating external force considered is :

- Ans
- ☒ 1. pressure
 - ☒ 2. inertia
 - ☒ 3. gravity
 - ☒ 4. viscosity

Question Type : MCQ

Question ID : 630680206144

Option 1 ID : 630680799376

Option 2 ID : 630680799377

Option 3 ID : 630680799375

Option 4 ID : 630680799378

Status : Answered

Chosen Option : 4

Marks : 0

Q.47 A simply supported beam carries various point loads and no other load. Which of the following statements are correct?

- i) The shear force diagram will be triangular.
- ii) The maximum BM will be at a point where shear force is zero.
- iii) The maximum BM will be at a point where the loading is zero.
- iv) The shear force diagram will be composed of rectangular parts.

Ans ☒ 1. ii and iv

☐ 2. iii and iv

☐ 3. i and iii

☐ 4. i and ii

Question Type : MCQ

Question ID : 630680311970

Option 1 ID : 6306801213786

Option 2 ID : 6306801213787

Option 3 ID : 6306801213788

Option 4 ID : 6306801213785

Status : Answered

Chosen Option : 2

Marks : 0

Q.48 A retaining wall has a backfill height of 5 m. The coefficient of passive earth pressure is 3. What will be the passive earth pressure on the wall for the fully submerged backfill if both the submerged unit weight of soil and the unit weight of water are 10 kN/m^3 ?

Ans ☐ 1. 100 kN/m^2

☐ 2. 350 kN/m^2

☒ 3. 200 kN/m^2

☐ 4. 150 kN/m^2

Question Type : MCQ

Question ID : 630680181857

Option 1 ID : 630680704663

Option 2 ID : 630680704665

Option 3 ID : 630680704662

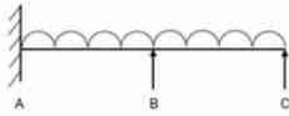
Option 4 ID : 630680704664

Status : Answered

Chosen Option : 2

Marks : 0

Q.49 Considering the given continuous beam subjected to same intensity of uniformly distributed load throughout the span, it may be concluded that:



- Ans
- ☒ 1. bending moment at support B is hogging and bending moments at A and C are zero
 - ☒ 2. bending moment at A and B is hogging, bending moment at C is zero
 - ☒ 3. bending moment at all three supports are hogging
 - ☒ 4. shear force at A is negative

Question Type : MCQ

Question ID : 630680191220

Option 1 ID : 630680741522

Option 2 ID : 630680741523

Option 3 ID : 630680741521

Option 4 ID : 630680741524

Status : Answered

Chosen Option : 2

Marks : 2

Q.50 Sulphur is a basic constituent of proteins in plants and animals. The most common form of sulphur found in water and soil is _____.

- Ans
- ☒ 1. sulphur dioxide
 - ☒ 2. sulphur trioxide
 - ☒ 3. sulphate ions
 - ☒ 4. hydrogen sulphide

Question Type : MCQ

Question ID : 630680191242

Option 1 ID : 630680741609

Option 2 ID : 630680741612

Option 3 ID : 630680741611

Option 4 ID : 630680741610

Status : Answered

Chosen Option : 1

Marks : 0

Q.51 The standard dimension of wooden sleepers for metre gauge railway tracks is _____, except at bridges, points, and crossings.

- Ans
- ☐ 1. 275 cm × 25 cm × 13 cm
 - ☐ 2. 110 cm × 15cm × 10.5 cm
 - ☐ 3. 150 cm × 18cm × 11.5 cm
 - ☒ 4. 180 cm × 20 cm × 11.5 cm

Question Type : MCQ

Question ID : 630680191587

Option 1 ID : 630680742969

Option 2 ID : 630680742972

Option 3 ID : 630680742971

Option 4 ID : 630680742970

Status : Answered

Chosen Option : 3

Marks : 0

Q.52 With reference to soil exploration, the number and spacing of boreholes do NOT depend upon the:

- Ans
- ☒ 1. bearing capacity of the soil
 - ☐ 2. type of the structure
 - ☐ 3. size of the site
 - ☐ 4. uniformity of strata

Question Type : MCQ

Question ID : 630680181865

Option 1 ID : 630680704694

Option 2 ID : 630680704695

Option 3 ID : 630680704696

Option 4 ID : 630680704697

Status : Answered

Chosen Option : 3

Marks : 0

Q.53 Among the factors associated with reservoir sedimentation, given as options, identify the correct one.

- Ans
- ☒ 1. Catchment area having no vegetal cover produces more siltation.
 - ☐ 2. Steep slope causes less silting through streams.
 - ☐ 3. Hard soil in the catchment area results in more siltation than soft one.
 - ☐ 4. Higher rainfall intensity causes less siltation.

Question Type : MCQ

Question ID : 630680199354

Option 1 ID : 630680773055

Option 2 ID : 630680773056

Option 3 ID : 630680773057

Option 4 ID : 630680773058

Status : Answered

Chosen Option : 4

Marks : 0

Q.54 The angle of inclination provided on the escalator during its construction and fitting at the site is _____.

- Ans
- ☒ 1. 75°
 - ☒ 2. 60°
 - ☒ 3. 10°
 - ☒ 4. 30°

Question Type : MCQ

Question ID : 630680167306

Option 1 ID : 630680647991

Option 2 ID : 630680647990

Option 3 ID : 630680647988

Option 4 ID : 630680647989

Status : Answered

Chosen Option : 2

Marks : 0

Q.55 Which of the following is used in a micro-optic theodolite?

- Ans
- ☒ 1. Both optical micrometer and optoelectronic scanning
 - ☒ 2. Optical micrometer
 - ☒ 3. Vernier
 - ☒ 4. Optoelectronic scanning

Question Type : MCQ

Question ID : 630680163127

Option 1 ID : 630680631735

Option 2 ID : 630680631733

Option 3 ID : 630680631732

Option 4 ID : 630680631734

Status : Answered

Chosen Option : 2

Marks : 2

Q.56 As per NBC-2016, constructed buildings have been divided into ____ groups.

- Ans
- ☒ 1. 9
 - ☒ 2. 2
 - ☒ 3. 4
 - ☒ 4. 3

Question Type : MCQ

Question ID : 630680167321

Option 1 ID : 630680648051

Option 2 ID : 630680648050

Option 3 ID : 630680648048

Option 4 ID : 630680648049

Status : Answered

Chosen Option : 4

Marks : 0

Q.57 Which of the following is the first step in the process of preparation of brick earth?

- Ans
- ☐ 1. Selecting a location
 - ☐ 2. Washing
 - ☒ 3. Unsoiling
 - ☐ 4. Excavating

Question Type : MCQ

Question ID : 630680198670

Option 1 ID : 630680770640

Option 2 ID : 630680770641

Option 3 ID : 630680770642

Option 4 ID : 630680770639

Status : Answered

Chosen Option : 1

Marks : 0

Q.58 Which of the following screws (levelling foot screws, clip screw, capstan screw, vertical circle tangent screw) are used to carry out the permanent adjustment of altitude bubble and vertical index frame of a theodolite(having clip and tangent screws on separate arms, with altitude bubble on the index frame).

- Ans
- ☐ 1. Clip screw and vertical circle tangent screw only
 - ☒ 2. levelling foot screws, clip screw, capstan screw, and vertical circle tangent screw.
 - ☐ 3. Clip screw, capstan screw, and vertical circle tangent screw only
 - ☐ 4. Clip screw, and capstan screw only

Question Type : MCQ

Question ID : 630680190911

Option 1 ID : 630680740340

Option 2 ID : 630680740337

Option 3 ID : 630680740338

Option 4 ID : 630680740339

Status : Answered

Chosen Option : 1

Marks : 0

Q.59 When the quantities of particular items are not certain, provisional quantities are worked out and provided separately in the estimate for such items. Such items are called as provisional items and such quantities are called as provisional quantities. Select the example of provisional items.

- Ans
- ☐ 1. Number of bags of cement
 - ☒ 2. Lengthening or shortening of concrete piles
 - ☐ 3. Water for construction purpose
 - ☐ 4. Number of bricks in the superstructure

Question Type : MCQ

Question ID : 630680211752

Option 1 ID : 630680821157

Option 2 ID : 630680821158

Option 3 ID : 630680821156

Option 4 ID : 630680821155

Status : Answered

Chosen Option : 1

Marks : 0

Q.60 For given water content, which of the following types of aggregate is/are used for more workability of the concrete?

- Ans
- ☐ 1. Crushed aggregate only
 - ☐ 2. Rough, angular or elongated aggregate
 - ☐ 3. Flaky aggregate only
 - ☒ 4. Both smooth and rounded aggregate

Question Type : MCQ

Question ID : 630680160601

Option 1 ID : 630680621779

Option 2 ID : 630680621777

Option 3 ID : 630680621778

Option 4 ID : 630680621776

Status : Answered

Chosen Option : 2

Marks : 0

Q.61 When a person sits on a chair, the nature of stress on the legs of chair is_____.

- Ans
- ☐ 1. both tensile and compressive
 - ☒ 2. compressive
 - ☐ 3. torsional
 - ☐ 4. tensile

Question Type : MCQ

Question ID : 630680311974

Option 1 ID : 6306801213803

Option 2 ID : 6306801213802

Option 3 ID : 6306801213804

Option 4 ID : 6306801213801

Status : Answered

Chosen Option : 2

Marks : 2

Q.62 The vertical member in the middle of a window frame, which subdivides the window, is called _____.

- Ans
- ☐ 1. transom
 - ☐ 2. rebate
 - ☐ 3. sill
 - ☒ 4. mullion

Question Type : MCQ

Question ID : 630680167320

Option 1 ID : 630680648047

Option 2 ID : 630680648045

Option 3 ID : 630680648046

Option 4 ID : 630680648044

Status : Answered

Chosen Option : 2

Marks : 0

Q.63 For no tension to be developed anywhere in a masonry dam, the resultant stress should be located according to which option?

- Ans
- ☐ 1. Located within middle one-sixth of width
 - ☐ 2. Located within end one-third of width consisting of toe
 - ☐ 3. Located within middle one-quarter of width
 - ☒ 4. Located within middle one-third of width

Question Type : MCQ

Question ID : 630680191189

Option 1 ID : 630680741400

Option 2 ID : 630680741398

Option 3 ID : 630680741397

Option 4 ID : 630680741399

Status : Answered

Chosen Option : 3

Marks : 0

Q.64 Early setting and early hardening concrete admixtures are termed as _____.

- Ans
- ☐ 1. organic retarders
 - ☐ 2. fly ash
 - ☐ 3. silica
 - ☒ 4. accelerators

Question Type : MCQ

Question ID : 630680160627

Option 1 ID : 630680621883

Option 2 ID : 630680621882

Option 3 ID : 630680621880

Option 4 ID : 630680621881

Status : Answered

Chosen Option : 4

Marks : 2

Q.65 In case of eccentric loading on a short column, zero tensile stress will be visible at extreme fibre if _____.

- Ans
- ☐ 1. load is applied at the centroid
 - ☐ 2. total axial compressive stress is more than bending stress at extreme fibre
 - ☒ 3. total axial compressive stress is equal to bending stress at extreme fibre
 - ☐ 4. load is eccentrically applied anywhere

Question Type : MCQ

Question ID : 630680191198

Option 1 ID : 630680741433

Option 2 ID : 630680741435

Option 3 ID : 630680741436

Option 4 ID : 630680741434

Status : Answered

Chosen Option : 1

Marks : 0

Q.66 Which of the following is a cause of water hammer in pipes?

- Ans
- ☒ 1. Higher velocity of flow through the pipe material
 - ☒ 2. Roughness of pipe material
 - ☒ 3. Sudden closure of valve
 - ☒ 4. Turbulent flow condition in the pipe

Question Type : MCQ

Question ID : 630680206132

Option 1 ID : 630680799329

Option 2 ID : 630680799328

Option 3 ID : 630680799327

Option 4 ID : 630680799330

Status : Answered

Chosen Option : 4

Marks : 0

Q.67 The passenger capacity of a lift is usually calculated by assuming the weight of a person as

- Ans
- ☒ 1. 68 kg
 - ☒ 2. 90 kg
 - ☒ 3. 120 kg
 - ☒ 4. 100 kg

Question Type : MCQ

Question ID : 630680167308

Option 1 ID : 630680647996

Option 2 ID : 630680647997

Option 3 ID : 630680647999

Option 4 ID : 630680647998

Status : Answered

Chosen Option : 1

Marks : 2

Q.68 A masonry dam has height 9 m and base width 3 m. Find the maximum distance from the mid-point of base of dam beyond which resultant stress is not expected to act in order to avoid tension anywhere.

- Ans
- ☒ 1. 1 m
 - ☒ 2. 2 m
 - ☒ 3. 0.5 m
 - ☒ 4. 1.5 m

Question Type : MCQ

Question ID : 630680191190

Option 1 ID : 630680741402

Option 2 ID : 630680741404

Option 3 ID : 630680741401

Option 4 ID : 630680741403

Status : Answered

Chosen Option : 4

Marks : 0

Q.69 The maximum water-cement ratio that can be implemented in reinforced cement concrete structures exposed to moderate exposure conditions is ____, according to IS 456-2000.

Ans ☒ 1. 0.5

☐ 2. 0.35

☐ 3. 0.52

☐ 4. 0.65

Question Type : MCQ

Question ID : 630680160620

Option 1 ID : 630680621854

Option 2 ID : 630680621852

Option 3 ID : 630680621853

Option 4 ID : 630680621855

Status : Answered

Chosen Option : 1

Marks : 2

Q.70 Which of the following statements is/are true for flexible pavement?

Statement 1:

In flexible pavement, surface painting should be measured in square metres and the quantity of binder in kg per square metre.

Statement 2:

Grouting (full grout or semi-grout) is measured in cubic metres.

Ans ☐ 1. Both Statement 1 and Statement 2 are true

☐ 2. Both Statement 1 and Statement 2 are false

☐ 3. Statement 1 is false, Statement 2 is true

☒ 4. Statement 1 is true, Statement 2 is false

Question Type : MCQ

Question ID : 630680211751

Option 1 ID : 630680821151

Option 2 ID : 630680821152

Option 3 ID : 630680821154

Option 4 ID : 630680821153

Status : Answered

Chosen Option : 1

Marks : 0

Q.71 An aqueduct is a type of cross drainage work where the:

Ans ☐ 1. drainage water is carried under siphonic action

☒ 2. canal is carried above drainage

☐ 3. canal is carried at the same level of drainage

☐ 4. canal is carried below drainage

Question Type : MCQ

Question ID : 630680199383

Option 1 ID : 630680773174

Option 2 ID : 630680773173

Option 3 ID : 630680773172

Option 4 ID : 630680773171

Status : Answered

Chosen Option : 4

Marks : 0

Q.72 The statements pertaining to the indirect methods of locating contours in a topographic survey are given as options. Identify the INCORRECT statement.

- Ans
- ☐ 1. The spacing of cross-sections depends upon the purpose of the survey.
 - ☐ 2. The spacing of cross-sections depends upon the character of the terrain.
 - ☒ 3. The method of squares is most suitable for railway route surveys.
 - ☐ 4. Cross-sections should be more closely spaced at places where the contours curve abruptly.

Question Type : MCQ

Question ID : 630680163151

Option 1 ID : 630680631831

Option 2 ID : 630680631830

Option 3 ID : 630680631828

Option 4 ID : 630680631829

Status : Answered

Chosen Option : 3

Marks : 2

Q.73 What is the unit of measurement for planking, strutting, clearing of shrubs, brushwood, small trees, including removals and disposal as per IS:1200?

- Ans
- ☐ 1. Cubic metres
 - ☐ 2. Numbers
 - ☒ 3. Square metres
 - ☐ 4. Running metres

Question Type : MCQ

Question ID : 630680211771

Option 1 ID : 630680821231

Option 2 ID : 630680821234

Option 3 ID : 630680821232

Option 4 ID : 630680821233

Status : Answered

Chosen Option : 3

Marks : 2

Q.74 Which of the following options best describes a transit theodolite?

- Ans
- ☐ 1. The telescope can be revolved through 180° in a horizontal plane about its vertical axis.
 - ☐ 2. The telescope can be rotated through a horizontal plane.
 - ☐ 3. The telescope can be revolved through 90° in a vertical plane about its horizontal axis.
 - ☒ 4. The telescope can be revolved through 180° in a vertical plane about its horizontal axis.

Question Type : MCQ

Question ID : 630680163178

Option 1 ID : 630680631937

Option 2 ID : 630680631938

Option 3 ID : 630680631939

Option 4 ID : 630680631936

Status : Answered

Chosen Option : 2

Marks : 0

Q.75 Which of the following is the principle of the concrete rebound hammer test apparatus?

- Ans
- ☒ 1. The velocity sound in a solid material is a function of the square root of the ratio of its modulus of elasticity to its density.
 - ☒ 2. Conservation of energy.
 - ☒ 3. Conservation of mass.
 - ☒ 4. The rebound of an elastic mass depends on the hardness of the concrete surface against which the mass strikes.

Question Type : MCQ

Question ID : 630680160624

Option 1 ID : 630680621871

Option 2 ID : 630680621869

Option 3 ID : 630680621870

Option 4 ID : 630680621868

Status : Answered

Chosen Option : 4

Marks : 2

Section : English/Marathi/General Knowledge/Reasoning Test

Q.76 Choose the option which are antonyms (opposite of) the word used in the sentence given below:

By strengthening the brittle bones with acrylic paint, scientists have been able to examine the skeletons and draw conclusions about the diet and habits of the residents.

- Ans
- ☒ 1. brittle/ strong
 - ☒ 2. strength/ power
 - ☒ 3. examine/ inspect
 - ☒ 4. conclusions/ inferences

Question Type : MCQ

Question ID : 630680511710

Option 1 ID : 6306801999811

Option 2 ID : 6306801999810

Option 3 ID : 6306801999812

Option 4 ID : 6306801999813

Status : Answered

Chosen Option : 1

Marks : 2

Q.77 Two statements are given followed by two conclusions numbered I and II. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

I. Some dreams are vivid.

II. All vivid dreams are memorable.

Conclusions:

I. Some memorable are dreams.

II. Some vivid are dream.

- Ans
- ☐ 1. Only conclusion I follows
 - ☐ 2. Only conclusion II follows
 - ☐ 3. Neither conclusion I nor II follows
 - ☒ 4. Both conclusions I and II follow

Question Type : MCQ

Question ID : 630680511732

Option 1 ID : 6306801999898

Option 2 ID : 6306801999899

Option 3 ID : 6306801999901

Option 4 ID : 6306801999900

Status : Answered

Chosen Option : 3

Marks : 0

Q.78 Rahim ranks 45th from the bottom in a test of 90 students. Find his rank from the top.

- Ans
- ☐ 1. 48
 - ☐ 2. 47
 - ☐ 3. 45
 - ☒ 4. 46

Question Type : MCQ

Question ID : 630680511728

Option 1 ID : 6306801999882

Option 2 ID : 6306801999885

Option 3 ID : 6306801999883

Option 4 ID : 6306801999884

Status : Answered

Chosen Option : 3

Marks : 0

Q.79 From the options given below choose the antonym (opposite meaning) of the word: Ponder

- Ans ☒ 1. contemplate
☒ 2. review
☒ 3. study
☒ 4. disregard

Question Type : MCQ

Question ID : 630680511713

Option 1 ID : 6306801999823

Option 2 ID : 6306801999825

Option 3 ID : 6306801999824

Option 4 ID : 6306801999822

Status : Answered

Chosen Option : 1

Marks : 0

Q.80 खालील शब्दाचा विरुद्धार्थी शब्द ओळखा.
'व्यवहार्य'

- Ans ☒ 1. व्यवस्थित
☒ 2. अविरत
☒ 3. व्यवस्थापन
☒ 4. अव्यवहार्य

Question Type : MCQ

Question ID : 630680511718

Option 1 ID : 6306801999845

Option 2 ID : 6306801999843

Option 3 ID : 6306801999842

Option 4 ID : 6306801999844

Status : Answered

Chosen Option : 4

Marks : 2

Q.81 The idea of Fundamental Duties was inspired from the constitution of which country?

- Ans ☒ 1. England
☒ 2. Japan
☒ 3. Russia
☒ 4. Canada

Question Type : MCQ

Question ID : 630680511727

Option 1 ID : 6306801999880

Option 2 ID : 6306801999878

Option 3 ID : 6306801999881

Option 4 ID : 6306801999879

Status : Answered

Chosen Option : 3

Marks : 2

Q.82 Choose the option which is a synonym (similar to) the bracketed word used in the sentence given below:

Her daughter is an (eloquent) speaker.

- Ans
- ☒ 1. unvocal
 - ☒ 2. insecure
 - ☒ 3. underconfident
 - ☒ 4. articulate

Question Type : MCQ

Question ID : 630680511711

Option 1 ID : 6306801999816

Option 2 ID : 6306801999817

Option 3 ID : 6306801999815

Option 4 ID : 6306801999814

Status : Answered

Chosen Option : 1

Marks : 0

Q.83 खालील शब्दाचा अचूक अर्थ ओळखा.
'अंजन'

- Ans
- ☒ 1. काजळ
 - ☒ 2. धूप
 - ☒ 3. कुंकू
 - ☒ 4. चंदन

Question Type : MCQ

Question ID : 630680511716

Option 1 ID : 6306801999835

Option 2 ID : 6306801999837

Option 3 ID : 6306801999834

Option 4 ID : 6306801999836

Status : Answered

Chosen Option : 1

Marks : 2

Q.84 Which of the following is the coldest location in India?

- Ans
- ☒ 1. Phalodi
 - ☒ 2. Spiti
 - ☒ 3. Dras Valley
 - ☒ 4. Dehradun

Question Type : MCQ

Question ID : 630680511726

Option 1 ID : 6306801999876

Option 2 ID : 6306801999874

Option 3 ID : 6306801999875

Option 4 ID : 6306801999877

Status : Answered

Chosen Option : 2

Marks : 0

Q.85 Select the option that is related to the third word in the same way as the second word is related to the first word.

Norway : Oslo :: Oman : ?

- Ans ☒ 1. Muscat
☒ 2. Islamabad
☒ 3. Cairo
☒ 4. Manila

Question Type : MCQ

Question ID : 630680511733

Option 1 ID : 6306801999902

Option 2 ID : 6306801999904

Option 3 ID : 6306801999903

Option 4 ID : 6306801999905

Status : Answered

Chosen Option : 1

Marks : 2

Q.86 खालील म्हणीचा योग्य अर्थ ओळखा.
'बोले तैसा चाले त्याची वंदावी पाऊले.'

- Ans ☒ 1. विचाराप्रमाणे आचार करतो त्याला वंदन करावे.
☒ 2. केवळ बडबड करणाऱ्याच्या हातून तशी कृती होईलच याचा नेम नाही.
☒ 3. उत्तम स्थिती गेली, पण त्या आठवणी मागे उरल्या.
☒ 4. कार्यक्रम उरकल्यावर व्यवस्था करणे.

Question Type : MCQ

Question ID : 630680511720

Option 1 ID : 6306801999852

Option 2 ID : 6306801999850

Option 3 ID : 6306801999853

Option 4 ID : 6306801999851

Status : Answered

Chosen Option : 1

Marks : 2

Q.87 Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the odd letter-cluster.

- Ans ☒ 1. UST
☒ 2. AZY
☒ 3. DCB
☒ 4. JIH

Question Type : MCQ

Question ID : 630680511734

Option 1 ID : 6306801999906

Option 2 ID : 6306801999907

Option 3 ID : 6306801999908

Option 4 ID : 6306801999909

Status : Answered

Chosen Option : 2

Marks : 0

Q.88 Which Indian language was granted the classical status in 2014?

- Ans ☒ 1. Sanskrit
☒ 2. Odia
☒ 3. Telugu
☒ 4. Tamil

Question Type : MCQ
Question ID : 630680511725
Option 1 ID : 6306801999871
Option 2 ID : 6306801999873
Option 3 ID : 6306801999872
Option 4 ID : 6306801999870
Status : Answered
Chosen Option : 1
Marks : 0

Q.89 In a certain code language, if RAINBOW is coded as WOBNIAR, THUNDER is coded as REDNUHT, then what will LIGHTNING be coded as?

- Ans ☒ 1. GNINGTHIL
☒ 2. GNINTHGIL
☒ 3. GNINTIHGL
☒ 4. GNIHNTGIL

Question Type : MCQ
Question ID : 630680511730
Option 1 ID : 6306801999893
Option 2 ID : 6306801999890
Option 3 ID : 6306801999892
Option 4 ID : 6306801999891
Status : Answered
Chosen Option : 2
Marks : 2

Q.90 From the options given below choose the synonym (similar meaning) of the word: Zeal

- Ans ☒ 1. apathy
☒ 2. happiness
☒ 3. work
☒ 4. passion

Question Type : MCQ
Question ID : 630680511714
Option 1 ID : 6306801999827
Option 2 ID : 6306801999828
Option 3 ID : 6306801999829
Option 4 ID : 6306801999826
Status : Answered
Chosen Option : 1
Marks : 0

Q.91 Who earned the nickname "Frontier Gandhi"?

Ans ☒ 1. Abdul Ghaffar Khan

☒ 2. Chittaranjan Das

☒ 3. Subhas Chandra Bose

☒ 4. Bhagat Singh

Question Type : MCQ

Question ID : 630680511724

Option 1 ID : 6306801999867

Option 2 ID : 6306801999866

Option 3 ID : 6306801999869

Option 4 ID : 6306801999868

Status : Answered

Chosen Option : 2

Marks : 0

Q.92 खालील वाक्यचाराचा योग्य अर्थ ओळखा.
'कानोसा घेणे'

Ans ☒ 1. चाहूल घेणे

☒ 2. बदल करणे

☒ 3. उपदेश करणे

☒ 4. आधार घेणे

Question Type : MCQ

Question ID : 630680511721

Option 1 ID : 6306801999855

Option 2 ID : 6306801999854

Option 3 ID : 6306801999857

Option 4 ID : 6306801999856

Status : Answered

Chosen Option : 4

Marks : 0

Q.93 What position does India hold in Global Hunger Index 2023?

Ans ☒ 1. 111

☒ 2. 110

☒ 3. 120

☒ 4. 125

Question Type : MCQ

Question ID : 630680511723

Option 1 ID : 6306801999863

Option 2 ID : 6306801999865

Option 3 ID : 6306801999864

Option 4 ID : 6306801999862

Status : Answered

Chosen Option : 2

Marks : 0

Q.94 खालील शब्दाचा समानार्थी शब्द ओळखा.
'अगतिक'

- Ans ☒ 1. अगणित
☒ 2. असहाय्य
☒ 3. उत्साही
☒ 4. अगोचर

Question Type : MCQ
Question ID : 630680511717
Option 1 ID : 6306801999839
Option 2 ID : 6306801999841
Option 3 ID : 6306801999840
Option 4 ID : 6306801999838
Status : Answered
Chosen Option : 2
Marks : 2

Q.95 From the options given below choose the antonym (opposite meaning) of the word: Mingle

- Ans ☒ 1. extinguish
☒ 2. combine
☒ 3. amalgamate
☒ 4. separate

Question Type : MCQ
Question ID : 630680511715
Option 1 ID : 6306801999833
Option 2 ID : 6306801999830
Option 3 ID : 6306801999832
Option 4 ID : 6306801999831
Status : Answered
Chosen Option : 2
Marks : 0

Q.96 Who won the Laureus Sportsman of the Year award in 2023?

- Ans ☒ 1. Cristiano Ronaldo
☒ 2. Carlos Alcaraz
☒ 3. Kylian Mbappe
☒ 4. Lionel Messi

Question Type : MCQ
Question ID : 630680511722
Option 1 ID : 6306801999859
Option 2 ID : 6306801999860
Option 3 ID : 6306801999861
Option 4 ID : 6306801999858
Status : Answered
Chosen Option : 4
Marks : 2

Q.97 Pointing to a girl in the photograph, a man says, "She is the sister of my mother's only son."
How is the girl related to the man?

- Ans
- ☐ 1. Mother's sister
 - ☐ 2. Brother's wife
 - ☐ 3. Daughter
 - ☒ 4. Sister

Question Type : MCQ

Question ID : 630680511731

Option 1 ID : 6306801999896

Option 2 ID : 6306801999895

Option 3 ID : 6306801999897

Option 4 ID : 6306801999894

Status : Answered

Chosen Option : 4

Marks : 2

Q.98 खालील वाक्यातील समास ओळखा.
'गैरशिस्त'

- Ans
- ☒ 1. अव्ययीभाव समास
 - ☐ 2. तत्पुरुष समास
 - ☐ 3. द्वंद्व समास
 - ☐ 4. बहुव्रीही समास

Question Type : MCQ

Question ID : 630680511719

Option 1 ID : 6306801999846

Option 2 ID : 6306801999847

Option 3 ID : 6306801999848

Option 4 ID : 6306801999849

Status : Answered

Chosen Option : 4

Marks : 0

Q.99 How many symbols are there in the given series that are immediately preceded by a number and followed by a symbol?

9*2@6%0\$1^3*6%4@9^2!5\$1

- Ans
- ☐ 1. 3
 - ☐ 2. 5
 - ☒ 3. 0
 - ☐ 4. 2

Question Type : MCQ

Question ID : 630680511729

Option 1 ID : 6306801999889

Option 2 ID : 6306801999886

Option 3 ID : 6306801999888

Option 4 ID : 6306801999887

Status : Answered

Chosen Option : 3

Marks : 2

Q.100 Choose the option which is a synonym of (similar to) the word used in the sentence given below:

They had some (trepidation) about agreeing to the plan.

- Ans
- ☒ 1. confidence
 - ☒ 2. excitement
 - ☒ 3. fear
 - ☒ 4. self-assurance

Question Type : MCQ

Question ID : 630680511712

Option 1 ID : 6306801999818

Option 2 ID : 6306801999821

Option 3 ID : 6306801999820

Option 4 ID : 6306801999819

Status : Answered

Chosen Option : 3

Marks : 2



CIVIL UPDATE

Stay Connected

Answer Key of PWD Recruitment Exam 2023, 13th Dec to 28th Dec 2023 for Objection Handling Purpose Only

Participant ID	
Participant Name	
Test Center Name	
Test Date	16/12/2023
Test Time	9:00 AM - 10:30 AM
Subject	Junior Engineer (Civil)
Candidates Application photo	
Candidate Registration photo	

Section : Civil Engineering (Diploma Level)

Q.1 Calculate the number of sleepers required per rail length over a broad gauge route, if the sleeper density is $M + 7$. Take length of one rail as 13 m.

Ans ☒ 1. 20

☐ 2. 24

☐ 3. 16.5

☐ 4. 18.4

Question Type : MCQ

Question ID : 630680191577

Option 1 ID : 630680742929

Option 2 ID : 630680742932

Option 3 ID : 630680742930

Option 4 ID : 630680742931

Status : Answered

Chosen Option : 1

Marks : 2

Q.2 Considering a horizontal water pressure diagram, find the location of centre of pressure if the height of masonry dam with vertical face towards water reservoir is 30 m.

- Ans
- ☒ 1. 10 m below from top of dam
 - ☒ 2. 15 m below from the top of dam
 - ☒ 3. 10 m above from the base of dam
 - ☒ 4. 20 m above from the base of dam

Question Type : MCQ

Question ID : 630680191188

Option 1 ID : 630680741396

Option 2 ID : 630680741395

Option 3 ID : 630680741393

Option 4 ID : 630680741394

Status : Answered

Chosen Option : 3

Marks : 2

Q.3 The structural component which is connected below the lintel and provides sunshade and protection from rain water is called _____.

- Ans
- ☒ 1. chhajja
 - ☒ 2. brick
 - ☒ 3. window
 - ☒ 4. tiles

Question Type : MCQ

Question ID : 630680167314

Option 1 ID : 630680648023

Option 2 ID : 630680648022

Option 3 ID : 630680648021

Option 4 ID : 630680648020

Status : Answered

Chosen Option : 1

Marks : 2

Q.4 In plastering and pointing, no deduction should be made for openings below _____.

- Ans
- ☒ 1. 0.55 m^2
 - ☒ 2. 0.25 m^2
 - ☒ 3. 0.4 m^2
 - ☒ 4. 0.5 m^2

Question Type : MCQ

Question ID : 630680211747

Option 1 ID : 630680821138

Option 2 ID : 630680821135

Option 3 ID : 630680821136

Option 4 ID : 630680821137

Status : Answered

Chosen Option : 4

Marks : 2

Q.5 Seasoning of timber is the process of _____.

- Ans
- ☐ 1. introducing lime
 - ☐ 2. boiling the timber
 - ☐ 3. increasing water content
 - ☒ 4. removing water

Question Type : MCQ

Question ID : 630680198702

Option 1 ID : 630680770770

Option 2 ID : 630680770769

Option 3 ID : 630680770768

Option 4 ID : 630680770767

Status : Answered

Chosen Option : 4

Marks : 2

Q.6 The unit of elasticity constant of a material is _____.

- Ans
- ☐ 1. m
 - ☐ 2. N-m
 - ☐ 3. Unit-less
 - ☒ 4. N/m^2

Question Type : MCQ

Question ID : 630680311973

Option 1 ID : 6306801213798

Option 2 ID : 6306801213800

Option 3 ID : 6306801213799

Option 4 ID : 6306801213797

Status : Answered

Chosen Option : 4

Marks : 2

Q.7 In which of the following modes of failure does the load settlement curve NOT give a clear indication of ultimate load?

- Ans
- ☐ 1. Punching shear failure
 - ☐ 2. General shear failure
 - ☒ 3. Both punching and local shear failures
 - ☐ 4. Both local and general shear failures

Question Type : MCQ

Question ID : 630680181849

Option 1 ID : 630680704631

Option 2 ID : 630680704630

Option 3 ID : 630680704632

Option 4 ID : 630680704633

Status : Answered

Chosen Option : 3

Marks : 2

Q.8 The vertical component of a staircase whose dimensions vary in accordance with the use of the staircase is called _____.

- Ans
- ☒ 1. kerb
 - ☒ 2. riser
 - ☒ 3. tread
 - ☒ 4. stringer

Question Type : MCQ

Question ID : 630680167312

Option 1 ID : 630680648012

Option 2 ID : 630680648013

Option 3 ID : 630680648014

Option 4 ID : 630680648015

Status : Answered

Chosen Option : 2

Marks : 2

Q.9 In woodwork and joinery, the length and width should be measured to the nearest _____.

- Ans
- ☒ 1. 0.01 m
 - ☒ 2. 0.02 m
 - ☒ 3. 0.03 m
 - ☒ 4. 0.025 m

Question Type : MCQ

Question ID : 630680211750

Option 1 ID : 630680821147

Option 2 ID : 630680821148

Option 3 ID : 630680821150

Option 4 ID : 630680821149

Status : Answered

Chosen Option : 1

Marks : 2

Q.10 Which of the following options represents the co-ordinates in the geocentric geodetic reference system provided by the GPS?

- Ans
- ☒ 1. WGS 85
 - ☒ 2. WGS 84
 - ☒ 3. WGS 82
 - ☒ 4. WGS 83

Question Type : MCQ

Question ID : 630680163130

Option 1 ID : 630680631747

Option 2 ID : 630680631746

Option 3 ID : 630680631744

Option 4 ID : 630680631745

Status : Answered

Chosen Option : 1

Marks : 0

Q.11 Fiberglass materials have a usable temperature up to _____.

- Ans
- ☐ 1. 105°C
 - ☐ 2. 473°C
 - ☐ 3. 45°C
 - ☒ 4. 200°C

Question Type : MCQ

Question ID : 630680198720

Option 1 ID : 630680770840

Option 2 ID : 630680770842

Option 3 ID : 630680770839

Option 4 ID : 630680770841

Status : Answered

Chosen Option : 1

Marks : 0

Q.12 Identify the correct definition of the Reynold's number.

- Ans
- ☐ 1. $\frac{\text{pressure force}}{\text{viscous force}}$
 - ☒ 2. $\frac{\text{inertia force}}{\text{viscous force}}$
 - ☐ 3. $\frac{\text{inertia force}}{\text{pressure force}}$
 - ☐ 4. $\frac{\text{viscous force}}{\text{pressure force}}$

Question Type : MCQ

Question ID : 630680206146

Option 1 ID : 630680799385

Option 2 ID : 630680799383

Option 3 ID : 630680799384

Option 4 ID : 630680799386

Status : Answered

Chosen Option : 2

Marks : 2

Q.13 Identify the correct statement.

- Ans
- ☒ 1. Fluid mechanics deals with the static, kinematic and dynamic aspects of fluids.
 - ☐ 2. Fluid mechanics deals with liquids only.
 - ☐ 3. Pressure forces are considered in fluid kinematics.
 - ☐ 4. Fluid kinematics deals with fluids at rest.

Question Type : MCQ

Question ID : 630680206167

Option 1 ID : 630680799468

Option 2 ID : 630680799467

Option 3 ID : 630680799469

Option 4 ID : 630680799470

Status : Answered

Chosen Option : 1

Marks : 2

Q.14 During construction, a part of the door or the window is embedded into walls. It acts as a support. It is called ____.

- Ans
- ☒ 1. head
 - ☒ 2. frame
 - ☒ 3. style
 - ☒ 4. batten

Question Type : MCQ

Question ID : 630680167303

Option 1 ID : 630680647979

Option 2 ID : 630680647978

Option 3 ID : 630680647977

Option 4 ID : 630680647976

Status : Answered

Chosen Option : 2

Marks : 2

Q.15 A rectangular cross-section of dimension $150\text{ mm} \times 180\text{ mm}$ of a short column is subjected to combined axial and bending stresses. Determine the area of core, where application of load will not cause tensile stress in the section.

- Ans
- ☒ 1. 1500 mm^2
 - ☒ 2. 750 mm^2
 - ☒ 3. 2700 mm^2
 - ☒ 4. 3000 mm^2

Question Type : MCQ

Question ID : 630680191193

Option 1 ID : 630680741413

Option 2 ID : 630680741416

Option 3 ID : 630680741415

Option 4 ID : 630680741414

Status : Answered

Chosen Option : 2

Marks : 0

Q.16 The size of the standard plate used for finding the modulus of subgrade reaction (K-value) is ____.

- Ans
- ☒ 1. 65 cm diameter
 - ☒ 2. 55 cm diameter
 - ☒ 3. 75 cm diameter
 - ☒ 4. 85 cm diameter

Question Type : MCQ

Question ID : 630680191591

Option 1 ID : 630680742986

Option 2 ID : 630680742987

Option 3 ID : 630680742985

Option 4 ID : 630680742988

Status : Answered

Chosen Option : 3

Marks : 2

Q.17 The shape of stress distribution diagram on a short column at its base due to direct stress only is _____.

- Ans
- ☒ 1. trapezoidal
 - ☒ 2. parabolic
 - ☒ 3. rectangular
 - ☒ 4. triangular

Question Type : MCQ

Question ID : 630680191204

Option 1 ID : 630680741459

Option 2 ID : 630680741460

Option 3 ID : 630680741458

Option 4 ID : 630680741457

Status : Answered

Chosen Option : 3

Marks : 2

Q.18 The ICPB type of pavement uses _____.

- Ans
- ☒ 1. ground granulated blast furnace slag
 - ☒ 2. highways
 - ☒ 3. concrete paver blocks
 - ☒ 4. light weight paver blocks

Question Type : MCQ

Question ID : 630680198672

Option 1 ID : 630680770649

Option 2 ID : 630680770650

Option 3 ID : 630680770648

Option 4 ID : 630680770647

Status : Answered

Chosen Option : 4

Marks : 0

Q.19 Which of the following members is normally provided above openings such as doors and windows?

- Ans
- ☒ 1. Corbel
 - ☒ 2. Lintel beam
 - ☒ 3. Jamb
 - ☒ 4. Slab

Question Type : MCQ

Question ID : 630680200559

Option 1 ID : 630680777593

Option 2 ID : 630680777591

Option 3 ID : 630680777594

Option 4 ID : 630680777592

Status : Answered

Chosen Option : 2

Marks : 2

Q.20 Calculate the wetted area and wetted perimeter for a rectangular open channel section of bottom width 3m and depth of flow 3 m.

- Ans
- ☒ 1. 6 m^2 and 9 m
 - ☒ 2. 9 m^2 and 9 m
 - ☒ 3. 9 m^2 and 27 m
 - ☒ 4. 6 m^2 and 6 m

Question Type : MCQ

Question ID : 630680206114

Option 1 ID : 630680799256

Option 2 ID : 630680799255

Option 3 ID : 630680799258

Option 4 ID : 630680799257

Status : Answered

Chosen Option : 2

Marks : 2

Q.21 When pouring concrete beneath water, what type of cement is used?

- Ans
- ☒ 1. Quick setting cement
 - ☒ 2. Blast furnace slag cement
 - ☒ 3. Pozzolana Portland Cement (PPC)
 - ☒ 4. White cement

Question Type : MCQ

Question ID : 630680160611

Option 1 ID : 630680621817

Option 2 ID : 630680621818

Option 3 ID : 630680621819

Option 4 ID : 630680621816

Status : Answered

Chosen Option : 1

Marks : 2

Q.22 Which of the following are relevant properties of the sill?

- (i) Being embedded in the brick wall
- (ii) Supporting the window-loading frame
- (iii) Providing structure resilience
- (iv) Resistance to moisture and heat

- Ans
- ☒ 1. Only (i), (ii) and (iv)
 - ☒ 2. Only (i) and (ii)
 - ☒ 3. All of (i), (ii), (iii) and (iv)
 - ☒ 4. Only (i) and (iii)

Question Type : MCQ

Question ID : 630680167319

Option 1 ID : 630680648042

Option 2 ID : 630680648041

Option 3 ID : 630680648043

Option 4 ID : 630680648040

Status : Answered

Chosen Option : 3

Marks : 2

Q.23 Which of the following helps in reducing water hammer in pipes?

- Ans ☒ 1. Gradual closure of valves
☒ 2. Higher velocity of flow
☒ 3. Higher discharge rate
☒ 4. Sudden closure of valves

Question Type : MCQ

Question ID : 630680206133

Option 1 ID : 630680799331

Option 2 ID : 630680799333

Option 3 ID : 630680799334

Option 4 ID : 630680799332

Status : Answered

Chosen Option : 1

Marks : 2

Q.24 The middle quarter rule applied on the eccentricity of load line in a circular section subjected to combined axial (compressive) and bending stress will ensure _____.

- Ans ☒ 1. no tensile stress in the section
☒ 2. no shear stress in the section
☒ 3. no twisting in the section
☒ 4. no compressive stress in the section

Question Type : MCQ

Question ID : 630680191195

Option 1 ID : 630680741424

Option 2 ID : 630680741421

Option 3 ID : 630680741423

Option 4 ID : 630680741422

Status : Answered

Chosen Option : 4

Marks : 0

Q.25 Which bituminous interface treatment is carried on existing pavement surfaces?

- Ans ☒ 1. Prime coat
☒ 2. Penetration Macadam
☒ 3. Tack coat
☒ 4. Seal coat

Question Type : MCQ

Question ID : 630680191592

Option 1 ID : 630680742989

Option 2 ID : 630680742992

Option 3 ID : 630680742990

Option 4 ID : 630680742991

Status : Answered

Chosen Option : 3

Marks : 2

Q.26 Which of the following statements is INCORRECT?

- Ans ☒ 1. A GTS benchmark is established with respect to the MSL at Bombay port as datum.
- ☒ 2. The elevations of GTS benchmarks can be arbitrarily assumed.
- ☒ 3. GTS benchmarks are established at an interval of about 100 km all over the country.
- ☒ 4. GTS benchmarks are established by the Survey of India.

Question Type : MCQ

Question ID : 630680190910

Option 1 ID : 630680740335

Option 2 ID : 630680740336

Option 3 ID : 630680740334

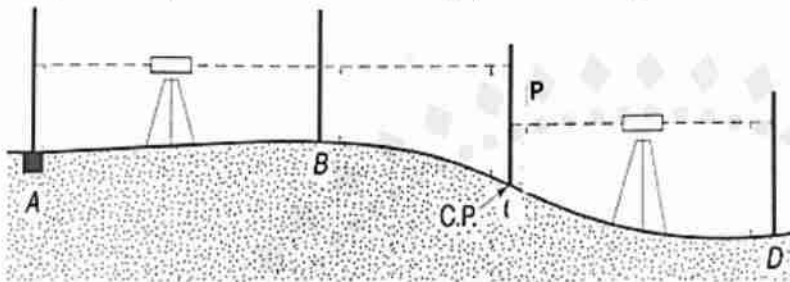
Option 4 ID : 630680740333

Status : Answered

Chosen Option : 2

Marks : 2

Q.27 Identify the reading marked as P. CP is the change point. The survey proceeds from A to D.



- Ans ☒ 1. Back sight
- ☒ 2. Fore sight
- ☒ 3. Change point
- ☒ 4. Intermediate sight

Question Type : MCQ

Question ID : 630680163156

Option 1 ID : 630680631848

Option 2 ID : 630680631850

Option 3 ID : 630680631851

Option 4 ID : 630680631849

Status : Answered

Chosen Option : 3

Marks : 0

Q.28 Which of the following is true about Venturimeter?

- Ans ☒ 1. It consists of two parts only viz, converging and diverging parts.
- ☒ 2. The coefficient of discharge of the Venturimeter is greater than 1.
- ☒ 3. It is used for measuring the velocity of flow.
- ☒ 4. It is based on the principle of Bernoulli's equation.

Question Type : MCQ

Question ID : 630680206122

Option 1 ID : 630680799289

Option 2 ID : 630680799290

Option 3 ID : 630680799288

Option 4 ID : 630680799287

Status : Answered

Chosen Option : 1

Marks : 0

Q.29 The moment of inertia of a symmetrical angle section about its centroidal axis is found using_____.

- Ans
- ☒ 1. law of symmetric sections
 - ☒ 2. Betti's Law
 - ☒ 3. parallel axis theorem
 - ☒ 4. Macaulay theorem

Question Type : MCQ

Question ID : 630680311958

Option 1 ID : 6306801213740

Option 2 ID : 6306801213739

Option 3 ID : 6306801213737

Option 4 ID : 6306801213738

Status : Answered

Chosen Option : 3

Marks : 2

Q.30 The corners of a rectangular drainage gallery in a dam are rounded in order to :

- Ans
- ☒ 1. reduce stress concentration
 - ☒ 2. provide better cleaning
 - ☒ 3. provide proper inspection of dam
 - ☒ 4. enhance aesthetic appearance

Question Type : MCQ

Question ID : 630680199361

Option 1 ID : 630680773085

Option 2 ID : 630680773086

Option 3 ID : 630680773083

Option 4 ID : 630680773084

Status : Answered

Chosen Option : 1

Marks : 2

Q.31 The support/s that cannot resist moment is/are:

- i) Fixed support
- ii) Simple support
- iii) Pinned support

- Ans
- ☒ 1. i, ii and iii
 - ☒ 2. ii and iii
 - ☒ 3. Only ii
 - ☒ 4. Only i

Question Type : MCQ

Question ID : 630680311963

Option 1 ID : 6306801213757

Option 2 ID : 6306801213759

Option 3 ID : 6306801213760

Option 4 ID : 6306801213758

Status : Answered

Chosen Option : 2

Marks : 2

Q.32 The statements pertaining to the effect of canal condition on duty of irrigation water are given as options. Identify the correct statement.

- Ans
- ☒ 1. Earthen canal will have higher duty than lined canals.
 - ☒ 2. More dispersion of irrigated area with respect to canal will increase duty.
 - ☒ 3. Earthen canal will have lower duty than lined canals.
 - ☒ 4. Earthen canal will have less percolation loss than lined canals.

Question Type : MCQ

Question ID : 630680199343

Option 1 ID : 630680773012

Option 2 ID : 630680773014

Option 3 ID : 630680773013

Option 4 ID : 630680773011

Status : Answered

Chosen Option : 3

Marks : 2

Q.33 As per IS 456 : 2000, the minimum shear reinforcement in the form of stirrups in beams shall NOT be less than _____. Where, b = breadth of beam, s_v = stirrups spacing along the length of member, and f_y = characteristic strength of the stirrup reinforcement in N/mm^2 .

- Ans
- ☒ 1. $\frac{0.2bf_y}{s_v}$
 - ☒ 2. $\frac{0.8bf_y}{0.9s_v}$
 - ☒ 3. $\frac{0.4bs_v}{0.87f_y}$
 - ☒ 4. $\frac{0.5s_v}{0.67bf_y}$

Question Type : MCQ

Question ID : 630680200562

Option 1 ID : 630680777603

Option 2 ID : 630680777606

Option 3 ID : 630680777604

Option 4 ID : 630680777605

Status : Answered

Chosen Option : 3

Marks : 2

Q.34 The standard size of coarse aggregates is _____.

- Ans
- ☒ 1. equal to 14 mm
 - ☒ 2. equal to 4.75 mm
 - ☒ 3. greater than 4.75 mm
 - ☒ 4. less than 4.75 mm

Question Type : MCQ

Question ID : 630680160602

Option 1 ID : 630680621783

Option 2 ID : 630680621780

Option 3 ID : 630680621782

Option 4 ID : 630680621781

Status : Answered

Chosen Option : 3

Marks : 2

Q.35 Which of the following statements are NOT true with respect to Euler's theory for long columns?

- i) When the value of slenderness ratio is less than a certain limit, Euler's formula gives a value of crippling load even greater than crushing load.
- ii) The crippling load is always less than the crushing load irrespective of the slenderness ratio.
- iii) The weight of the column is ignored in the analysis by Euler theory.
- iv) The weight of the column is not ignored in the analysis by Euler theory.

Ans ☒ 1. i and iii

☒ 2. i and iv

☒ 3. ii and iv

☒ 4. ii and iii

Question Type : MCQ

Question ID : 630680311955

Option 1 ID : 6306801213725

Option 2 ID : 6306801213728

Option 3 ID : 6306801213727

Option 4 ID : 6306801213726

Status : Answered

Chosen Option : 1

Marks : 0

Q.36 Pressure head is also known as _____.

Ans ☒ 1. static head

☒ 2. potential head

☒ 3. datum head

☒ 4. piezometric head

Question Type : MCQ

Question ID : 630680206141

Option 1 ID : 630680799363

Option 2 ID : 630680799364

Option 3 ID : 630680799365

Option 4 ID : 630680799366

Status : Answered

Chosen Option : 2

Marks : 0

Q.37 Which of the following is NOT a type of canal escape?

Ans ☒ 1. Canal scouring escape

☒ 2. Tail escape

☒ 3. Head escape.

☒ 4. Surplus escape

Question Type : MCQ

Question ID : 630680199376

Option 1 ID : 630680773143

Option 2 ID : 630680773146

Option 3 ID : 630680773145

Option 4 ID : 630680773144

Status : Answered

Chosen Option : 1

Marks : 0

Q.38 The process of superimposing the measuring wave on a carrier wave of higher frequency (in EDM) is called _____.

- Ans
- ☒ 1. amplification
 - ☒ 2. superimposition
 - ☒ 3. modulation
 - ☒ 4. phase change

Question Type : MCQ

Question ID : 630680163125

Option 1 ID : 630680631725

Option 2 ID : 630680631727

Option 3 ID : 630680631724

Option 4 ID : 630680631726

Status : Answered

Chosen Option : 1

Marks : 0

Q.39 The following data is obtained from a mild steel specimen tested in a laboratory:

- i) Diameter of the specimen: 21 mm
- ii) Length of the specimen: 300 mm
- iii) Load at yield point = 100 kN
- iv) Maximum load = 446.5 kN

Find the difference between yield stress and ultimate stress.

- Ans
- ☒ 1. 1000 N/mm²
 - ☒ 2. 346.5 N/mm²
 - ☒ 3. 500 N/mm²
 - ☒ 4. 0 N/mm²

Question Type : MCQ

Question ID : 630680311976

Option 1 ID : 6306801213809

Option 2 ID : 6306801213811

Option 3 ID : 6306801213810

Option 4 ID : 6306801213812

Status : Answered

Chosen Option : 1

Marks : 2

Q.40 The grasslands which are closest to the equator and are hot throughout the year are called _____.

- Ans
- ☒ 1. deciduous grasslands
 - ☒ 2. moderate grasslands
 - ☒ 3. temperate grasslands
 - ☒ 4. tropical grasslands

Question Type : MCQ

Question ID : 630680191247

Option 1 ID : 630680741631

Option 2 ID : 630680741632

Option 3 ID : 630680741629

Option 4 ID : 630680741630

Status : Answered

Chosen Option : 4

Marks : 2

Q.41 Which of the following options is correct regarding the ultrasonic pulse velocity test?

- Ans ☒ 1. Non-destructive test, Ex-situ
☒ 2. Destructive test, In-situ
☒ 3. Non-destructive test, In-situ
☒ 4. Destructive test, Ex-situ

Question Type : MCQ
Question ID : 630680160625
Option 1 ID : 630680621872
Option 2 ID : 630680621875
Option 3 ID : 630680621873
Option 4 ID : 630680621874
Status : Answered
Chosen Option : 3
Marks : 2

Q.42 Which of the following software is used for the estimation and costing?

- Ans ☒ 1. Auto Cad
☒ 2. Staad Pro
☒ 3. QE-Pro
☒ 4. QGIS

Question Type : MCQ
Question ID : 630680211755
Option 1 ID : 630680821168
Option 2 ID : 630680821167
Option 3 ID : 630680821170
Option 4 ID : 630680821169
Status : Answered
Chosen Option : 3
Marks : 2

Q.43 The estimate of shuttering is measured in _____.

- Ans ☒ 1. square metres
☒ 2. running metres
☒ 3. numbers
☒ 4. cubic metres

Question Type : MCQ
Question ID : 630680211749
Option 1 ID : 630680821144
Option 2 ID : 630680821145
Option 3 ID : 630680821146
Option 4 ID : 630680821143
Status : Answered
Chosen Option : 1
Marks : 2

Q.44 As per IRC guidelines, the maximum spacing of contraction joints in plain cement concrete slabs is _____.

- Ans
- ☒ 1. 1.5 m
 - ☒ 2. 4.5 m
 - ☒ 3. 2.5 m
 - ☒ 4. 3.5 m

Question Type : MCQ

Question ID : 630680191597

Option 1 ID : 630680743009

Option 2 ID : 630680743011

Option 3 ID : 630680743010

Option 4 ID : 630680743012

Status : Answered

Chosen Option : 2

Marks : 2

Q.45 Shape of the compaction curve for sandy soils is different from that for clayey soils due to:

- Ans
- ☒ 1. higher void ratio of clayey soils
 - ☒ 2. bulking of the sand
 - ☒ 3. higher permeability of sandy soils
 - ☒ 4. bulking of the clay

Question Type : MCQ

Question ID : 630680181861

Option 1 ID : 630680704680

Option 2 ID : 630680704678

Option 3 ID : 630680704681

Option 4 ID : 630680704679

Status : Answered

Chosen Option : 1

Marks : 0

Q.46 Which of the following statements is INCORRECT?

- Ans
- ☒ 1. Cross-sectioning is carried out at right angles on either side of the centre line of the proposed route.
 - ☒ 2. Profile levelling is also called longitudinal sectioning.
 - ☒ 3. In cross-sectioning, the vertical scale is kept much larger than the horizontal scale.
 - ☒ 4. The length of cross-sections depends upon the nature of the work.

Question Type : MCQ

Question ID : 630680163161

Option 1 ID : 630680631870

Option 2 ID : 630680631868

Option 3 ID : 630680631871

Option 4 ID : 630680631869

Status : Answered

Chosen Option : 3

Marks : 2

Q.47 Which of the following is true when pipes are connected in series?

- Ans ☒ 1. Head loss through each pipe is the same.
- ☒ 2. Discharge through each pipe is the same.
- ☒ 3. There will not be any head loss between the two ends of the pipes connected in series.
- ☒ 4. The different pipes which are connected in series shall have equal lengths.

Question Type : MCQ

Question ID : 630680206127

Option 1 ID : 630680799308

Option 2 ID : 630680799307

Option 3 ID : 630680799309

Option 4 ID : 630680799310

Status : Answered

Chosen Option : 2

Marks : 2

Q.48 While drawing the cross-sections from a contour map, cross-sections are run _____ to the centre line of the contour.

- Ans ☒ 1. in any direction
- ☒ 2. longitudinal
- ☒ 3. transverse
- ☒ 4. at 45°

Question Type : MCQ

Question ID : 630680163150

Option 1 ID : 630680631826

Option 2 ID : 630680631824

Option 3 ID : 630680631825

Option 4 ID : 630680631827

Status : Answered

Chosen Option : 1

Marks : 0

Q.49 What kind of cement is employed in the manufacture of artificial marble?

- Ans ☒ 1. High Alumina cement
- ☒ 2. Hydrographic cement
- ☒ 3. White cement
- ☒ 4. Air Entraining cement

Question Type : MCQ

Question ID : 630680160612

Option 1 ID : 630680621821

Option 2 ID : 630680621822

Option 3 ID : 630680621820

Option 4 ID : 630680621823

Status : Answered

Chosen Option : 3

Marks : 2

Q.50 When the portion of the soil passing through a 75 micron sieve is substantial, _____.

- Ans
- ☐ 1. the XRD analysis is carried out
 - ☐ 2. the sample is discarded
 - ☐ 3. the dry sieve analysis is carried out
 - ☒ 4. the wet sieve analysis is carried out

Question Type : MCQ
Question ID : 630680181892
Option 1 ID : 630680704805
Option 2 ID : 630680704804
Option 3 ID : 630680704803
Option 4 ID : 630680704802
Status : Answered
Chosen Option : 2
Marks : 0

Q.51 A pyramid of numbers shows the number of organisms at each trophic level of the ecosystem. It shows the relationship between producers, herbivores and carnivores at successive trophic levels in terms of their number. The pyramid is inverted in case of _____.

- Ans
- ☐ 1. grassland ecosystem
 - ☐ 2. pond ecosystem
 - ☒ 3. tree ecosystem
 - ☐ 4. cropland ecosystem

Question Type : MCQ
Question ID : 630680182626
Option 1 ID : 630680707609
Option 2 ID : 630680707612
Option 3 ID : 630680707611
Option 4 ID : 630680707610
Status : Answered
Chosen Option : 1
Marks : 0

Q.52 The design of economical canal section of an alluvial channel is based on:

- Ans
- ☒ 1. non-silting and non-scouring velocity
 - ☐ 2. maximum discharge
 - ☐ 3. non-scouring velocity only
 - ☐ 4. non-silting velocity only

Question Type : MCQ
Question ID : 630680199380
Option 1 ID : 630680773161
Option 2 ID : 630680773162
Option 3 ID : 630680773160
Option 4 ID : 630680773159
Status : Answered
Chosen Option : 2
Marks : 0

Q.53 Identify the classified RCC beam section, in which the yield strain is reached in steel before the ultimate compressive strain is reached in the extreme fibre of the concrete.

- Ans
- ☐ 1. Over reinforced section
 - ☐ 2. Cannot be classified
 - ☐ 3. Balanced section
 - ☒ 4. Under reinforced section

Question Type : MCQ

Question ID : 630680200555

Option 1 ID : 630680777577

Option 2 ID : 630680777578

Option 3 ID : 630680777575

Option 4 ID : 630680777576

Status : Answered

Chosen Option : 4

Marks : 2

Q.54 The dry unit weight of a soil after compaction is 15 kN/m^3 at the water content of 20%. What will be the maximum theoretical density that can be achieved by this soil at the same water content? (Assume the specific gravity of solids as 2.5 and the unit weight of water as 10 kN/m^3 .)

- Ans
- ☐ 1. 20 kN/m^3
 - ☐ 2. 18 kN/m^3
 - ☐ 3. 15 kN/m^3
 - ☒ 4. 16.67 kN/m^3

Question Type : MCQ

Question ID : 630680181863

Option 1 ID : 630680704688

Option 2 ID : 630680704689

Option 3 ID : 630680704686

Option 4 ID : 630680704687

Status : Answered

Chosen Option : 4

Marks : 2

Q.55 According to IS 303 (1989), what is the minimum number of ply boards to get a plywood of thickness 25mm?

- Ans
- ☐ 1. Seven
 - ☐ 2. Nine
 - ☐ 3. Five
 - ☒ 4. Eleven

Question Type : MCQ

Question ID : 630680198675

Option 1 ID : 630680770660

Option 2 ID : 630680770661

Option 3 ID : 630680770659

Option 4 ID : 630680770662

Status : Answered

Chosen Option : 1

Marks : 0

Q.56 Which of the following actions does not result in improving the duty of irrigation water?

- Ans ☒ 1. Canal lining
☒ 2. Training to farmers
☒ 3. Less frequent cultivation of land
☒ 4. Construction of parallel canals

Question Type : MCQ
Question ID : 630680199345
Option 1 ID : 630680773020
Option 2 ID : 630680773022
Option 3 ID : 630680773021
Option 4 ID : 630680773019
Status : Answered
Chosen Option : 2
Marks : 0

Q.57 When the rail ends are projected beyond the rail sleeper, the rail joint is called ____.

- Ans ☒ 1. supported rail joint
☒ 2. suspended rail joint
☒ 3. compromise rail joint
☒ 4. bridge rail joint

Question Type : MCQ
Question ID : 630680191583
Option 1 ID : 630680742954
Option 2 ID : 630680742953
Option 3 ID : 630680742956
Option 4 ID : 630680742955
Status : Answered
Chosen Option : 2
Marks : 2

Q.58 Food chains are important for maintaining and regulating the size of population of different animals and thus, they are instrumental in the maintenance of ecological balance. The primary source of a detritus food chain is ____.

- Ans ☒ 1. insects
☒ 2. green plants
☒ 3. earthworms
☒ 4. dead organic matter

Question Type : MCQ
Question ID : 630680191246
Option 1 ID : 630680741628
Option 2 ID : 630680741625
Option 3 ID : 630680741627
Option 4 ID : 630680741626
Status : Answered
Chosen Option : 4
Marks : 2

Q.59 Increase in the water content after OMC leads to decrease in the dry unit weight of the soil because:

- Ans
- ☒ 1. lubrication decreases after OMC
 - ☒ 2. water occupies the space of air voids
 - ☒ 3. water occupies the space of soil grains
 - ☒ 4. of shear failure of soil

Question Type : MCQ

Question ID : 630680181862

Option 1 ID : 630680704685

Option 2 ID : 630680704683

Option 3 ID : 630680704684

Option 4 ID : 630680704682

Status : Answered

Chosen Option : 2

Marks : 0

Q.60 A cantilever beam is subjected to UDL (w per unit run) over the whole length and a point load (W) at the free end. The shear force in the beam at any distance x from the free end will be equal to _____.

- Ans
- ☒ 1. $w x - W$
 - ☒ 2. $w x + W$
 - ☒ 3. $w x^2 - W x$
 - ☒ 4. $w x^2 + W x$

Question Type : MCQ

Question ID : 630680311969

Option 1 ID : 6306801213782

Option 2 ID : 6306801213781

Option 3 ID : 6306801213783

Option 4 ID : 6306801213784

Status : Answered

Chosen Option : 2

Marks : 2

Q.61 In case of axial loading on a short column with rectangular cross-section a point load will act at _____.

- Ans
- ☒ 1. one corner of rectangle
 - ☒ 2. any point on major axis of symmetry
 - ☒ 3. at the centroid of rectangle
 - ☒ 4. any point on minor axis of symmetry

Question Type : MCQ

Question ID : 630680191200

Option 1 ID : 630680741441

Option 2 ID : 630680741444

Option 3 ID : 630680741442

Option 4 ID : 630680741443

Status : Answered

Chosen Option : 3

Marks : 2

Q.62 The producers, through photosynthesis, reduce carbon dioxide from the atmosphere to organic carbon. This then passes through consumers and decomposers, then usually re-enters the atmosphere through the process of _____.

- Ans ☒ 1. respiration and decomposition
☒ 2. transpiration
☒ 3. ammonification
☒ 4. photosynthesis

Question Type : MCQ
Question ID : 630680191238
Option 1 ID : 630680741594
Option 2 ID : 630680741596
Option 3 ID : 630680741595
Option 4 ID : 630680741593
Status : Answered
Chosen Option : 1
Marks : 2

Q.63 _____ is a fire-resistant material and it does not allow heat to pass through it easily.

- Ans ☒ 1. Gypsum coat
☒ 2. Asbestos marble
☒ 3. Colocrete
☒ 4. Parian cement

Question Type : MCQ
Question ID : 630680198709
Option 1 ID : 630680770795
Option 2 ID : 630680770797
Option 3 ID : 630680770796
Option 4 ID : 630680770798
Status : Answered
Chosen Option : 2
Marks : 0

Q.64 In cement concrete pavements, tie bars are provided at:

- Ans ☒ 1. the top of slab across expansion joints
☒ 2. the bottom of slab across longitudinal joints
☒ 3. the bottom of slab across contraction joints
☒ 4. the mid depth of slab across longitudinal joints

Question Type : MCQ
Question ID : 630680191599
Option 1 ID : 630680743017
Option 2 ID : 630680743020
Option 3 ID : 630680743018
Option 4 ID : 630680743019
Status : Answered
Chosen Option : 4
Marks : 2

Q.65 In a mass of concrete, the breaking up of cohesion is referred to as _____.

- Ans
- ☐ 1. fatigue
 - ☐ 2. efflorescence
 - ☐ 3. seepage
 - ☒ 4. segregation

Question Type : MCQ
Question ID : 630680160616
Option 1 ID : 630680621839
Option 2 ID : 630680621837
Option 3 ID : 630680621838
Option 4 ID : 630680621836
Status : Answered
Chosen Option : 2
Marks : 0

Q.66 Which of the following is NOT a property of canal lining?

- Ans
- ☐ 1. Seepage is reduced
 - ☐ 2. Velocity is increased
 - ☒ 3. Bed erosion is increased
 - ☐ 4. Discharge is increased

Question Type : MCQ
Question ID : 630680199371
Option 1 ID : 630680773123
Option 2 ID : 630680773126
Option 3 ID : 630680773125
Option 4 ID : 630680773124
Status : Answered
Chosen Option : 3
Marks : 2

Q.67 Which of the following statements is/are true for approximate estimate?

Statement 1:

Approximate estimate is made to find out an approximate cost in a short time, without taking out actual quantities.

Statement 2:

Approximate estimate is prepared from practical knowledge and the cost of similar works executed in the past.

- Ans
- ☐ 1. Statement 1 is true, Statement 2 is false
 - ☒ 2. Both Statement 1 and Statement 2 are true
 - ☐ 3. Statement 1 is false, Statement 2 is true
 - ☐ 4. Both Statement 1 and Statement 2 are false

Question Type : MCQ
Question ID : 630680211775
Option 1 ID : 630680821249
Option 2 ID : 630680821247
Option 3 ID : 630680821250
Option 4 ID : 630680821248
Status : Answered
Chosen Option : 2
Marks : 2

Q.68 Electrostatic precipitator is one of the most widely used devices for controlling emissions at industrial installations ranging from power plants, cement plants and paper mills to oil refineries. In a coal-fired power plant, electrostatic precipitators are installed to control emissions of _____.

- Ans
- ☐ 1. carbon monoxide
 - ☐ 2. carbon dioxide
 - ☐ 3. sulphur dioxide
 - ☒ 4. suspended particulate matter

Question Type : MCQ

Question ID : 630680182343

Option 1 ID : 630680706561

Option 2 ID : 630680706559

Option 3 ID : 630680706558

Option 4 ID : 630680706560

Status : Answered

Chosen Option : 4

Marks : 2

Q.69 "In the design of a masonry solid circular short column it is necessary to follow middle quarter rule to limit the maximum eccentricity of load line." This statement is correct because of which of the most appropriate options?

- Ans
- ☒ 1. The column is made up of brittle material and is weak in tension
 - ☐ 2. The column is strong in bending
 - ☐ 3. The column is weak in shear
 - ☐ 4. The column is short in nature

Question Type : MCQ

Question ID : 630680191196

Option 1 ID : 630680741427

Option 2 ID : 630680741428

Option 3 ID : 630680741426

Option 4 ID : 630680741425

Status : Answered

Chosen Option : 1

Marks : 2

Q.70 The Mohr circle for stress conditions on a retaining wall, for cohesionless backfill, will be:

- Ans
- ☐ 1. smallest for earth pressure at rest
 - ☐ 2. greatest for earth pressure at rest
 - ☒ 3. greatest for passive earth pressure
 - ☐ 4. greatest for active earth pressure

Question Type : MCQ

Question ID : 630680181853

Option 1 ID : 630680704648

Option 2 ID : 630680704647

Option 3 ID : 630680704649

Option 4 ID : 630680704646

Status : Answered

Chosen Option : 2

Marks : 0

Q.71 In case of hydraulic fill method of construction of earthen dam, at which location is mixing of water and material done?

- Ans
- ☒ 1. At the borrow pit
 - ☐ 2. Inside flume
 - ☐ 3. Water is not mixed anywhere
 - ☐ 4. On the dam site

Question Type : MCQ

Question ID : 630680199365

Option 1 ID : 630680773099

Option 2 ID : 630680773102

Option 3 ID : 630680773101

Option 4 ID : 630680773100

Status : Answered

Chosen Option : 1

Marks : 2

Q.72 India's first e-waste clinic was inaugurated in _____.

- Ans
- ☐ 1. Jharkhand
 - ☐ 2. Bihar
 - ☒ 3. Madhya Pradesh
 - ☐ 4. Arunachal Pradesh

Question Type : MCQ

Question ID : 630680198714

Option 1 ID : 630680770816

Option 2 ID : 630680770815

Option 3 ID : 630680770817

Option 4 ID : 630680770818

Status : Answered

Chosen Option : 1

Marks : 0

Q.73 Whenever a sample of cement paste is examined, what is the gauging time to be followed as per IS 4031(Part IV)?

- Ans
- ☐ 1. 60 minutes
 - ☐ 2. 2 hours
 - ☒ 3. 3 to 5 minutes
 - ☐ 4. 2 to 6 hours

Question Type : MCQ

Question ID : 630680191306

Option 1 ID : 630680741868

Option 2 ID : 630680741865

Option 3 ID : 630680741867

Option 4 ID : 630680741866

Status : Answered

Chosen Option : 3

Marks : 2

Q.74 The horizontal structural component of a building, whose function is to enhance the structural integrity across its opening, is called _____.

- Ans
- ☒ 1. window
 - ☒ 2. cement
 - ☒ 3. lintel
 - ☒ 4. shutter

Question Type : MCQ

Question ID : 630680167315

Option 1 ID : 630680648027

Option 2 ID : 630680648025

Option 3 ID : 630680648024

Option 4 ID : 630680648026

Status : Answered

Chosen Option : 4

Marks : 0

Q.75 According to IS 456 : 2000 for M30 grade of concrete in limit state design, the design bond stress in tension for HYSD bars is given by _____.

- Ans
- ☒ 1. 2.4 N/mm^2
 - ☒ 2. 2.25 N/mm^2
 - ☒ 3. 1.4 N/mm^2
 - ☒ 4. 1.5 N/mm^2

Question Type : MCQ

Question ID : 630680200567

Option 1 ID : 630680777626

Option 2 ID : 630680777625

Option 3 ID : 630680777623

Option 4 ID : 630680777624

Status : Answered

Chosen Option : 4

Marks : 0

Section : English/Marathi/General Knowledge/Reasoning Test

Q.76 खालील शब्दाचा विरुद्धार्थी शब्द ओळखा.
'चल'

- Ans
- ☒ 1. गती
 - ☒ 2. अचल
 - ☒ 3. सुचल
 - ☒ 4. घट

Question Type : MCQ

Question ID : 630680511743

Option 1 ID : 6306801999944

Option 2 ID : 6306801999942

Option 3 ID : 6306801999943

Option 4 ID : 6306801999945

Status : Answered

Chosen Option : 2

Marks : 2

Q.77 खालील शब्दाचा समानार्थी शब्द ओळखा.
'अनुकंपा'

- Ans ☒ 1. शांती
☒ 2. अनुबंध
☒ 3. दया
☒ 4. क्षमा

Question Type : MCQ
Question ID : 630680511742
Option 1 ID : 6306801999940
Option 2 ID : 6306801999941
Option 3 ID : 6306801999939
Option 4 ID : 6306801999938
Status : Answered
Chosen Option : 2
Marks : 0

Q.78 Select the option that is related to the third word in the same way as the second word is related to the first word.

Bee : Apiary :: Horse : ?

- Ans ☒ 1. Den
☒ 2. Shed
☒ 3. Aviary
☒ 4. Stable

Question Type : MCQ
Question ID : 630680511758
Option 1 ID : 6306802000005
Option 2 ID : 6306802000004
Option 3 ID : 6306802000003
Option 4 ID : 6306802000002
Status : Answered
Chosen Option : 3
Marks : 0

Q.79 Two statements are given followed by two conclusions numbered I and II. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

- I. Some rivers are long.
II. All rivers are wide.

Conclusions:

- I. Some wide are rivers.
II. Some wide are long.

- Ans ☒ 1. Both conclusions I and II follow
☒ 2. Only conclusion I follows
☒ 3. Neither conclusion I nor II follows
☒ 4. Only conclusion II follows

Question Type : MCQ
Question ID : 630680511757
Option 1 ID : 6306802000000
Option 2 ID : 6306801999998
Option 3 ID : 6306802000001
Option 4 ID : 6306801999999
Status : Answered
Chosen Option : 1
Marks : 2

Q.80 Choose the option which is a synonym (similar to) the bracketed word used in the sentence given below:

He grew up in a very (meticulous) household.

- Ans ☒ 1. fastidious
☐ 2. negligent
☐ 3. loving
☐ 4. outgoing

Question Type : MCQ

Question ID : 630680511736

Option 1 ID : 6306801999914

Option 2 ID : 6306801999916

Option 3 ID : 6306801999915

Option 4 ID : 6306801999917

Status : Answered

Chosen Option : 1

Marks : 2

Q.81 Which type of forests are found in the Sunderbans of West Bengal?

- Ans ☒ 1. Mangrove
☐ 2. Montane
☐ 3. Tundra
☐ 4. Taiga

Question Type : MCQ

Question ID : 630680511751

Option 1 ID : 6306801999977

Option 2 ID : 6306801999976

Option 3 ID : 6306801999975

Option 4 ID : 6306801999974

Status : Answered

Chosen Option : 1

Marks : 2

Q.82 What is India's rank in the Corruption Perception Index Ranking 2023?

- Ans ☐ 1. 1
☐ 2. 10
☒ 3. 85
☐ 4. 120

Question Type : MCQ

Question ID : 630680511748

Option 1 ID : 6306801999963

Option 2 ID : 6306801999965

Option 3 ID : 6306801999962

Option 4 ID : 6306801999964

Status : Answered

Chosen Option : 3

Marks : 2

Q.83 From the options given below choose the antonym (opposite meaning) of the word: Decipher

- Ans
- ☒ 1. diminish
 - ☒ 2. solve
 - ☒ 3. encode
 - ☒ 4. construct

Question Type : MCQ

Question ID : 630680511738

Option 1 ID : 6306801999925

Option 2 ID : 6306801999922

Option 3 ID : 6306801999924

Option 4 ID : 6306801999923

Status : Answered

Chosen Option : 4

Marks : 0

Q.84 In a certain code language, if SCHOOL is coded as 1938151512, STUDENT is coded as 192021451420, then what will TEACHER be coded as?

- Ans
- ☒ 1. 205138851
 - ☒ 2. 205138518
 - ☒ 3. 201385518
 - ☒ 4. 205153818

Question Type : MCQ

Question ID : 630680511755

Option 1 ID : 6306801999991

Option 2 ID : 6306801999993

Option 3 ID : 6306801999990

Option 4 ID : 6306801999992

Status : Answered

Chosen Option : 2

Marks : 2

Q.85 From the options given below choose the synonym (similar meaning) of the word: Disdain

- Ans
- ☒ 1. fear
 - ☒ 2. respect
 - ☒ 3. love
 - ☒ 4. contempt

Question Type : MCQ

Question ID : 630680511739

Option 1 ID : 6306801999929

Option 2 ID : 6306801999928

Option 3 ID : 6306801999926

Option 4 ID : 6306801999927

Status : Answered

Chosen Option : 1

Marks : 0

Q.86 Which is the second most spoken language in India?

- Ans ☒ 1. Telugu
☒ 2. Marathi
☒ 3. Tamil
☒ 4. Bengali

Question Type : MCQ
Question ID : 630680511750
Option 1 ID : 6306801999973
Option 2 ID : 6306801999971
Option 3 ID : 6306801999970
Option 4 ID : 6306801999972
Status : Answered
Chosen Option : 1
Marks : 0

Q.87 How many consonants are there in the given series that are immediately preceded and followed by a different symbol?

@ L \$ M * N @ ! P # Q < Q R % S T U

- Ans ☒ 1. 6
☒ 2. 4
☒ 3. 7
☒ 4. 5

Question Type : MCQ
Question ID : 630680511754
Option 1 ID : 6306801999989
Option 2 ID : 6306801999988
Option 3 ID : 6306801999987
Option 4 ID : 6306801999986
Status : Answered
Chosen Option : 4
Marks : 2

Q.88 What is the launch date of Chandrayaan-3?

- Ans ☒ 1. 20 July
☒ 2. 25 July
☒ 3. 14 July
☒ 4. 15 July

Question Type : MCQ
Question ID : 630680511747
Option 1 ID : 6306801999959
Option 2 ID : 6306801999960
Option 3 ID : 6306801999958
Option 4 ID : 6306801999961
Status : Answered
Chosen Option : 3
Marks : 2

Q.89 Four siblings are sitting on a bench facing north. Quinn is to the immediate left of Ryan and to the immediate right of Sophie. Tessa sits at the right corner of the bench. Who is sitting to the immediate left of Tessa?

- Ans ☒ 1. Ryan
☒ 2. Quinn
☒ 3. Sophie
☒ 4. No one

Question Type : MCQ

Question ID : 630680511753

Option 1 ID : 6306801999983

Option 2 ID : 6306801999982

Option 3 ID : 6306801999984

Option 4 ID : 6306801999985

Status : Answered

Chosen Option : 1

Marks : 2

Q.90 Pointing to a man in the photograph, a woman says, "He is the brother of my mother's father's son." How is the woman related to the man?

- Ans ☒ 1. Father's sister
☒ 2. Mother's mother
☒ 3. Sister's daughter
☒ 4. Mother's sister

Question Type : MCQ

Question ID : 630680511756

Option 1 ID : 6306801999996

Option 2 ID : 6306801999994

Option 3 ID : 6306801999997

Option 4 ID : 6306801999995

Status : Answered

Chosen Option : 3

Marks : 2

Q.91 From the options given below choose the antonym (opposite meaning) of the word: Devise

- Ans ☒ 1. replicate
☒ 2. decode
☒ 3. simplify
☒ 4. produce

Question Type : MCQ

Question ID : 630680511740

Option 1 ID : 6306801999933

Option 2 ID : 6306801999932

Option 3 ID : 6306801999931

Option 4 ID : 6306801999930

Status : Answered

Chosen Option : 1

Marks : 2

Q.92 Choose the option which are antonyms (opposite of) the word used in the sentence given below:

The Spanish fleet met the smaller, faster, and more manoeuvrable English ships in battle. The two battles left Spain vulnerable, having lost several ships and with its ammunition depleted.

- Ans
- ☒ 1. depleted/ finished
 - ☒ 2. manoeuvrable/ flexible
 - ☒ 3. vulnerable/ stronger
 - ☒ 4. faster/ swifter

Question Type : MCQ

Question ID : 630680511735

Option 1 ID : 6306801999913

Option 2 ID : 6306801999911

Option 3 ID : 6306801999912

Option 4 ID : 6306801999910

Status : Answered

Chosen Option : 3

Marks : 2

Q.93 खालील म्हणीचा योग्य अर्थ ओळखा.
'उंदराला मांजर साक्ष'

- Ans
- ☒ 1. अतिशय हलाखीची परिस्थिती
 - ☒ 2. शत्रूत्व विसरून मैत्री करणे
 - ☒ 3. दोघेही सारखेच दोषी व एकमेकांचे साथीदार
 - ☒ 4. एकोप्याने काम करणे

Question Type : MCQ

Question ID : 630680511745

Option 1 ID : 6306801999953

Option 2 ID : 6306801999950

Option 3 ID : 6306801999952

Option 4 ID : 6306801999951

Status : Answered

Chosen Option : 2

Marks : 0

Q.94 Which historical figure wrote the book 'India Wins Freedom'?

- Ans
- ☒ 1. Maulana Abul Kalam Azad
 - ☒ 2. Mahatma Gandhi
 - ☒ 3. Lala Rai
 - ☒ 4. Muhammad Ali Jinnah

Question Type : MCQ

Question ID : 630680511749

Option 1 ID : 6306801999966

Option 2 ID : 6306801999968

Option 3 ID : 6306801999967

Option 4 ID : 6306801999969

Status : Answered

Chosen Option : 1

Marks : 2

Q.95 खालील वाक्यप्रचाराचा योग्य अर्थ ओळखा.
'बोळ्याने दूध पिणे'

- Ans ☒ 1. दुस-याच्या मताप्रमाणे वागणे
☐ 2. बालपण आठवणे
☐ 3. दयाळू असणे
☐ 4. दुःख नशिबी येणे

Question Type : MCQ
Question ID : 630680511746
Option 1 ID : 6306801999956
Option 2 ID : 6306801999955
Option 3 ID : 6306801999954
Option 4 ID : 6306801999957
Status : Answered
Chosen Option : 1
Marks : 2

Q.96 Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the odd letter-cluster.

- Ans ☐ 1. KO
☒ 2. DI
☐ 3. PT
☐ 4. CG

Question Type : MCQ
Question ID : 630680511759
Option 1 ID : 6306802000007
Option 2 ID : 6306802000006
Option 3 ID : 6306802000009
Option 4 ID : 6306802000008
Status : Answered
Chosen Option : 2
Marks : 2

Q.97 खालील शब्दाचा अचूक अर्थ ओळखा.
'अचंबा'

- Ans ☐ 1. अंधार
☐ 2. अन्वीत
☐ 3. अचटित
☒ 4. आश्चर्य

Question Type : MCQ
Question ID : 630680511741
Option 1 ID : 6306801999935
Option 2 ID : 6306801999936
Option 3 ID : 6306801999934
Option 4 ID : 6306801999937
Status : Answered
Chosen Option : 4
Marks : 2

Q.98 Choose the option which is a synonym (similar to) the bracketed word used in the sentence given below:

The palace-like hotel that we stayed at in Rajasthan was very (opulent).

- Ans
- ☒ 1. massive
 - ☒ 2. destitute
 - ☒ 3. luxurious
 - ☒ 4. economical

Question Type: MCQ

Question ID : 630680511737

Option 1 ID : 6306801999921

Option 2 ID : 6306801999919

Option 3 ID : 6306801999920

Option 4 ID : 6306801999918

Status : Answered

Chosen Option : 3

Marks : 2

Q.99 Which article provides equal employment opportunities in State service for all citizens?

- Ans
- ☒ 1. Article 16
 - ☒ 2. Article 18
 - ☒ 3. Article 52
 - ☒ 4. Article 370

Question Type: MCQ

Question ID : 630680511752

Option 1 ID : 6306801999978

Option 2 ID : 6306801999981

Option 3 ID : 6306801999979

Option 4 ID : 6306801999980

Status : Answered

Chosen Option : 1

Marks : 2

Q.100 खालील वाक्यातील प्रयोग ओळखा.

‘राघूने पेरू खाल्ला.’

- Ans
- ☒ 1. कर्तरी प्रयोग
 - ☒ 2. कर्तृ-भाव-संकर प्रयोग
 - ☒ 3. भावे प्रयोग
 - ☒ 4. कर्मणी प्रयोग

Question Type: MCQ

Question ID : 630680511744

Option 1 ID : 6306801999946

Option 2 ID : 6306801999949

Option 3 ID : 6306801999948

Option 4 ID : 6306801999947

Status : Answered

Chosen Option : 4

Marks : 2

Answer Key of PWD Recruitment Exam 2023, 13th Dec to 28th Dec 2023 for Objection Handling Purpose Only

Participant ID	
Participant Name	
Test Center Name	
Test Date	16/12/2023
Test Time	12:30 PM - 2:00 PM
Subject	Junior Engineer (Civil)
Candidates Application photo	
Candidate Registration photo	

Section : Civil Engineering (Diploma Level)

Q.1 The shear strength of RCC beams does NOT depend on the _____.

- Ans
- ☒ 1. breadth of the beam
 - ☒ 2. spacing of the longitudinal reinforcement
 - ☒ 3. spacing of shear reinforcement for the given diameter of rebar
 - ☒ 4. diameter of shear reinforcement for the given spacing

Question Type : MCQ

Question ID : 630680200561

Option 1 ID : 630680777600

Option 2 ID : 630680777602

Option 3 ID : 630680777599

Option 4 ID : 630680777601

Status : Answered

Chosen Option : 4

Marks : 0

Q.2 Batten is a piece of timber whose thickness and breadth do not exceed _____.

- Ans
- ☒ 1. 115 mm
 - ☒ 2. 50 mm
 - ☒ 3. 25 mm
 - ☒ 4. 12 mm

Question Type : MCQ
Question ID : 630680198716
Option 1 ID : 630680770826
Option 2 ID : 630680770825
Option 3 ID : 630680770824
Option 4 ID : 630680770823
Status : Answered
Chosen Option : 1
Marks : 0

Q.3 In a concrete masonry, a hollow concrete block has a core-void area greater than _____ of the gross area.

- Ans
- ☒ 1. 25%
 - ☒ 2. 8%
 - ☒ 3. 12%
 - ☒ 4. 37%

Question Type : MCQ
Question ID : 630680198671
Option 1 ID : 630680770643
Option 2 ID : 630680770644
Option 3 ID : 630680770646
Option 4 ID : 630680770645
Status : Answered
Chosen Option : 1
Marks : 2

Q.4 A rectangular section is divided into 4 equal areas and the distance of each area from y axis is k_1 and distance of each area from x axis is k_2 . The radius of gyration for the rectangular area from x axis is _____.

- Ans
- ☒ 1. $K_1 - k_2$
 - ☒ 2. K_1
 - ☒ 3. K_2
 - ☒ 4. $K_1 + k_2$

Question Type : MCQ
Question ID : 630680311957
Option 1 ID : 6306801213736
Option 2 ID : 6306801213734
Option 3 ID : 6306801213733
Option 4 ID : 6306801213735
Status : Answered
Chosen Option : 4
Marks : 0

Q.5 A hollow circular cross-section with external dia. 'D' and internal dia. 'd' is subjected to combined axial and bending stress. Determine the maximum limit of eccentricity measured from centre of kernel cross section to external load for it not to cause any tensile stress.

- Ans
- ☒ 1. $(D^2 + d^2)/(4D)$
 - ☒ 2. $(D^2 + d^2)/(6D)$
 - ☒ 3. $(D^2 + d^2)/(8D)$
 - ☒ 4. $D/4$

Question Type : MCQ

Question ID : 630680191194

Option 1 ID : 630680741417

Option 2 ID : 630680741419

Option 3 ID : 630680741418

Option 4 ID : 630680741420

Status : Answered

Chosen Option : 3

Marks : 2

Q.6 The structural component which is provided at the base during construction of a window to support its structural capability is called _____.

- Ans
- ☒ 1. lintel
 - ☒ 2. sill
 - ☒ 3. jamb
 - ☒ 4. ceiling

Question Type : MCQ

Question ID : 630680167317

Option 1 ID : 630680648033

Option 2 ID : 630680648032

Option 3 ID : 630680648034

Option 4 ID : 630680648035

Status : Answered

Chosen Option : 2

Marks : 2

Q.7 Decrease in the void ratio of soil, by expulsion of pore water from voids, without change in the degree of saturation, can be called:

- Ans
- ☒ 1. compaction
 - ☒ 2. consolidation
 - ☒ 3. compression
 - ☒ 4. densification

Question Type : MCQ

Question ID : 630680181859

Option 1 ID : 630680704670

Option 2 ID : 630680704671

Option 3 ID : 630680704672

Option 4 ID : 630680704673

Status : Answered

Chosen Option : 1

Marks : 0

Q.8 For the calculation of moment of inertia of channel section, the channel section is divided into_____.

- Ans
- ☒ 1. minimum four rectangles
 - ☒ 2. minimum three rectangles
 - ☒ 3. minimum two I sections
 - ☒ 4. minimum two angle sections

Question Type : MCQ

Question ID : 630680311959

Option 1 ID : 6306801213742

Option 2 ID : 6306801213741

Option 3 ID : 6306801213743

Option 4 ID : 6306801213744

Status : Answered

Chosen Option : 3

Marks : 0

Q.9 Superplasticizer lower the need of water by ____ as per IS 10262;2019.

- Ans
- ☒ 1. 20 - 30%
 - ☒ 2. 5 - 12%
 - ☒ 3. 30 - 38%
 - ☒ 4. 50 - 65%

Question Type : MCQ

Question ID : 630680160629

Option 1 ID : 630680621889

Option 2 ID : 630680621888

Option 3 ID : 630680621890

Option 4 ID : 630680621891

Status : Answered

Chosen Option : 2

Marks : 0

Q.10 The longitudinal movement of the rail with respect to the sleepers is called _____.

- Ans
- ☒ 1. kink of the rail
 - ☒ 2. hogging of the rail
 - ☒ 3. creep of the rail
 - ☒ 4. buckling of the rail

Question Type : MCQ

Question ID : 630680191582

Option 1 ID : 630680742952

Option 2 ID : 630680742951

Option 3 ID : 630680742949

Option 4 ID : 630680742950

Status : Answered

Chosen Option : 4

Marks : 0

Q.11 A short column subjected to eccentric load has rectangular cross section having dimensions 'b' (width along X-X axis) and 'd' (depth along Y-Y axis). Find the side length of the rhombus as per middle third rule for not have tensile stress in the section.

Ans

☐ 1. $\frac{1}{4}\sqrt{b^2 + d^2}$

☐ 2. $\frac{1}{3}\sqrt{b^2 + d^2}$

☐ 3. $\sqrt{(b/3)^2 + (d/3)^2}$

☒ 4. $\frac{1}{6}\sqrt{b^2 + d^2}$

Question Type : MCQ

Question ID : 630680191197

Option 1 ID : 630680741432

Option 2 ID : 630680741429

Option 3 ID : 630680741430

Option 4 ID : 630680741431

Status : Answered

Chosen Option : 4

Marks : 2

Q.12 A retaining wall may move in both the directions. The pressure developed on the wall will be minimum when:

Ans

☐ 1. it moves towards the fill

☐ 2. The pressure developed will be the equal in both the cases, that is, the movement away from the fill and towards the fill.

☐ 3. there is no movement of the wall

☒ 4. it moves away from the fill

Question Type : MCQ

Question ID : 630680181856

Option 1 ID : 630680704659

Option 2 ID : 630680704661

Option 3 ID : 630680704660

Option 4 ID : 630680704658

Status : Answered

Chosen Option : 2

Marks : 0

Q.13 A steel rod 10 m long is at a temperature of 25°C. Find the temperature stress produced in the rod, if the rod is permitted to expand only 2.5 mm, when the temperature is raised to 70°C. Take $E = 2 \times 10^5 \text{ N/mm}^2$ and coefficient of thermal expansion as 10×10^{-6} per degree Celsius.

- Ans
- ☐ 1. 80 N/mm² compressive
 - ☒ 2. 40 N/mm² compressive
 - ☐ 3. 40 N/mm² tensile
 - ☐ 4. 80 N/mm² tensile

Question Type : MCQ

Question ID : 630680311978

Option 1 ID : 6306801213819

Option 2 ID : 6306801213817

Option 3 ID : 6306801213818

Option 4 ID : 6306801213820

Status : Answered

Chosen Option : 2

Marks : 2

Q.14 Which of the following is NOT perpendicular to the plumb line?

- Ans
- ☐ 1. Horizontal plane
 - ☒ 2. Vertical line
 - ☐ 3. Level line
 - ☐ 4. Horizontal line

Question Type : MCQ

Question ID : 630680163159

Option 1 ID : 630680631860

Option 2 ID : 630680631861

Option 3 ID : 630680631863

Option 4 ID : 630680631862

Status : Answered

Chosen Option : 2

Marks : 2

Q.15 Which of the following statements is/are true for long wall-short wall method?

Statement 1:

Length of long wall = inner length of wall + wall thickness

Statement 2:

Length of short wall = inner length of wall (inside width)

- Ans
- ☒ 1. Statement 1 is false, Statement 2 is true
 - ☐ 2. Both Statement 1 and Statement 2 are true
 - ☐ 3. Both Statement 1 and Statement 2 are false
 - ☐ 4. Statement 1 is true, Statement 2 is false

Question Type : MCQ

Question ID : 630680211757

Option 1 ID : 630680821178

Option 2 ID : 630680821175

Option 3 ID : 630680821176

Option 4 ID : 630680821177

Status : Answered

Chosen Option : 2

Marks : 0

Q.16 Ecosystem is a dynamic network of interactions between the biotic and abiotic components.
One of the abiotic components of an ecosystem is _____.

- Ans
- ☒ 1. green plants
 - ☒ 2. temperature
 - ☒ 3. decomposers
 - ☒ 4. primary consumers

Question Type : MCQ

Question ID : 630680191245

Option 1 ID : 630680741621

Option 2 ID : 630680741623

Option 3 ID : 630680741622

Option 4 ID : 630680741624

Status : Answered

Chosen Option : 4

Marks : 0

Q.17 Which of the following statements is/are INCORRECT with reference to the difference between compaction and consolidation?
i. Compaction increases the unit weight of soil, whereas consolidation decreases the unit weight of soil.
ii. Compaction can be done only on saturated soils, whereas consolidation can be done only on unsaturated soils.
iii. Compaction can be done by sheep foot rollers on clays, while pneumatic wheel rollers are required for rapid consolidation of clays.

- Ans
- ☒ 1. All of i, ii and iii
 - ☒ 2. Only ii
 - ☒ 3. Only i
 - ☒ 4. Only ii and iii

Question Type : MCQ

Question ID : 630680181860

Option 1 ID : 630680704677

Option 2 ID : 630680704675

Option 3 ID : 630680704674

Option 4 ID : 630680704676

Status : Answered

Chosen Option : 3

Marks : 0

Q.18 To know the cost of work, _____ is prepared in measurement sheets and the probable cost of various items is entered in the abstract sheets.

- Ans ☒ 1. detailed estimate
☒ 2. plinth area rate method
☒ 3. cubical content method
☒ 4. service unit method

Question Type : MCQ

Question ID : 630680211763

Option 1 ID : 630680821202

Option 2 ID : 630680821201

Option 3 ID : 630680821200

Option 4 ID : 630680821199

Status : Answered

Chosen Option : 1

Marks : 2

Q.19 The specific gravity for sand is _____.

- Ans ☒ 1. 2.45
☒ 2. 2.6
☒ 3. 2.25
☒ 4. 3.2

Question Type : MCQ

Question ID : 630680198694

Option 1 ID : 630680770738

Option 2 ID : 630680770735

Option 3 ID : 630680770736

Option 4 ID : 630680770737

Status : Answered

Chosen Option : 4

Marks : 0

Q.20 A stream tube with cross-sectional area small enough for the variation of velocity over it to be negligible is termed as:

- Ans ☒ 1. Stream filament
☒ 2. Path line
☒ 3. Time line
☒ 4. Streak line

Question Type : MCQ

Question ID : 630680206149

Option 1 ID : 630680799396

Option 2 ID : 630680799397

Option 3 ID : 630680799395

Option 4 ID : 630680799398

Status : Answered

Chosen Option : 4

Marks : 0

Q.21 The maximum compressive strain in concrete at the limit state of collapse in compression to be considered for the design of axially loaded short columns is _____.

- Ans
- ☒ 1. 0.02
 - ☒ 2. 0.0035
 - ☒ 3. 0.035
 - ☒ 4. 0.002

Question Type : MCQ

Question ID : 630680200563

Option 1 ID : 630680777609

Option 2 ID : 630680777608

Option 3 ID : 630680777610

Option 4 ID : 630680777607

Status : Answered

Chosen Option : 3

Marks : 0

Q.22 What is the width of the top flange of a flat-footed rail?

- Ans
- ☒ 1. 100 mm
 - ☒ 2. 69.77 mm
 - ☒ 3. 66.77 mm
 - ☒ 4. 62.77 mm

Question Type : MCQ

Question ID : 630680191580

Option 1 ID : 630680742943

Option 2 ID : 630680742942

Option 3 ID : 630680742941

Option 4 ID : 630680742944

Status : Answered

Chosen Option : 1

Marks : 0

Q.23 The aggregate abrasion value for the ballast of broad gauge railway tracks is _____, when tested in accordance with IS:2386 (IV)-1963.

- Ans
- ☒ 1. 40%
 - ☒ 2. 50%
 - ☒ 3. 30%
 - ☒ 4. 45%

Question Type : MCQ

Question ID : 630680191575

Option 1 ID : 630680742922

Option 2 ID : 630680742924

Option 3 ID : 630680742921

Option 4 ID : 630680742923

Status : Answered

Chosen Option : 1

Marks : 0

Q.24 The flexural strength of an RCC beam depends on _____.

- Ans ☒ 1. both width and effective depth of the beam
☐ 2. neither the width nor the depth of the beam
☐ 3. the effective depth of the beam only
☐ 4. the width of the beam only

Question Type : MCQ

Question ID : 630680200558

Option 1 ID : 630680777589

Option 2 ID : 630680777590

Option 3 ID : 630680777588

Option 4 ID : 630680777587

Status : Answered

Chosen Option : 1

Marks : 2

Q.25 Sulphur dioxide is a major contributor to smog and acid rain. The major source of sulphur dioxide in the atmosphere is _____

- Ans ☐ 1. burning of petroleum as a vehicle fuel
☐ 2. sewage treatment process
☒ 3. coal and crude oil combustion
☐ 4. cement manufacturing process

Question Type : MCQ

Question ID : 630680190914

Option 1 ID : 630680740352

Option 2 ID : 630680740351

Option 3 ID : 630680740350

Option 4 ID : 630680740349

Status : Answered

Chosen Option : 4

Marks : 0

Q.26 The coefficient of active earth pressure is $\frac{1}{3}$ and the coefficient of passive earth pressure is 3. The unit weight of the soil is 20 kN/m^3 . What will be the pressure on the wall exerted by the soil if the wall moves away from the soil? Consider the height of the retaining wall as 9 m.

- Ans ☐ 1. 180 kN/m^2
☒ 2. 60 kN/m^2
☐ 3. 540 kN/m^2
☐ 4. 270 kN/m^2

Question Type : MCQ

Question ID : 630680181854

Option 1 ID : 630680704652

Option 2 ID : 630680704650

Option 3 ID : 630680704651

Option 4 ID : 630680704653

Status : Answered

Chosen Option : 3

Marks : 0

Q.27 What is the approximate mix proportion for M10 grade of concrete as per IS 456-2000?

- Ans
- ☒ 1. 1 : 1.5 : 4
 - ☒ 2. 1 : 3 : 6
 - ☒ 3. 1 : 3 : 8
 - ☒ 4. 1 : 1.15 : 3

Question Type : MCQ
Question ID : 630680160622
Option 1 ID : 630680621862
Option 2 ID : 630680621863
Option 3 ID : 630680621861
Option 4 ID : 630680621860
Status : Answered
Chosen Option : 2
Marks : 2

Q.28 Based on source, how many types of fine aggregates are there?

- Ans
- ☒ 1. One
 - ☒ 2. Three
 - ☒ 3. Six
 - ☒ 4. Eight

Question Type : MCQ
Question ID : 630680198692
Option 1 ID : 630680770728
Option 2 ID : 630680770727
Option 3 ID : 630680770729
Option 4 ID : 630680770730
Status : Answered
Chosen Option : 1
Marks : 0

Q.29 Phosphorus plays an important role in the growth of the living tissues, as it is involved in the metabolic process of energy transfer. The main reservoirs of phosphorus on land are _____.

- Ans
- ☒ 1. industrial activities
 - ☒ 2. municipal solid wastes
 - ☒ 3. organic wastes
 - ☒ 4. rocks and natural phosphate deposits

Question Type : MCQ
Question ID : 630680191241
Option 1 ID : 630680741606
Option 2 ID : 630680741608
Option 3 ID : 630680741605
Option 4 ID : 630680741607
Status : Answered
Chosen Option : 3
Marks : 0

Q.30 Calculate the psychological widening (a part of extra widening of pavement on horizontal curves) required for a pavement of width 7 m on a horizontal curve of radius 400 m. Consider the design speed as 80 km/h.

- Ans
- ☒ 1. 0.246 m
 - ☒ 2. 0.421 m
 - ☒ 3. 0.589 m
 - ☒ 4. 0.315 m

Question Type : MCQ

Question ID : 630680191616

Option 1 ID : 630680743085

Option 2 ID : 630680743087

Option 3 ID : 630680743088

Option 4 ID : 630680743086

Status : Answered

Chosen Option : 2

Marks : 2

Q.31 Which of the following relations is correct regarding culturable commanded area (CCA) and gross commanded area (GCA)?

- Ans
- ☒ 1. $GCA = \text{Unculturable area} - CCA$
 - ☒ 2. $CCA = GCA - \text{Unculturable area}$
 - ☒ 3. $CCA \leq \text{Culturable cultivated area}$
 - ☒ 4. $CCA - GCA = \text{Unculturable area}$

Question Type : MCQ

Question ID : 630680199339

Option 1 ID : 630680772996

Option 2 ID : 630680772997

Option 3 ID : 630680772998

Option 4 ID : 630680772995

Status : Answered

Chosen Option : 2

Marks : 2

Q.32 If the depth of water table is above the base of footing, then the water table correction factor ' R_v ' will be:
(R_v is the water table correction factor multiplied by the third term in Terzaghi's bearing capacity equation, that is, $0.5\gamma BN_v$.)

- Ans
- ☒ 1. 0
 - ☒ 2. > 1
 - ☒ 3. 1
 - ☒ 4. 0.5

Question Type : MCQ
Question ID : 630680181847
Option 1 ID : 630680704624
Option 2 ID : 630680704625
Option 3 ID : 630680704622
Option 4 ID : 630680704623
Status : Answered
Chosen Option : 2
Marks : 0

Q.33 Marshall stability determines _____.

- Ans
- ☒ 1. ductility of aggregate
 - ☒ 2. usefulness of bitumen
 - ☒ 3. type of bitumen
 - ☒ 4. flexibility of bitumen

Question Type : MCQ
Question ID : 630680198687
Option 1 ID : 630680770707
Option 2 ID : 630680770709
Option 3 ID : 630680770710
Option 4 ID : 630680770708
Status : Answered
Chosen Option : 4
Marks : 2

Q.34 For easy transportation of passengers, the opening height of the lift door should be _____.

- Ans
- ☒ 1. 2 m
 - ☒ 2. 4 m
 - ☒ 3. 3 m
 - ☒ 4. 1 m

Question Type : MCQ
Question ID : 630680167309
Option 1 ID : 630680648001
Option 2 ID : 630680648003
Option 3 ID : 630680648002
Option 4 ID : 630680648000
Status : Answered
Chosen Option : 1
Marks : 2

Q.35 Solar energy is an important alternative energy source for production of electricity. What is the name of the device which is installed in solar panels to convert solar energy directly into electricity?

- Ans
- ☐ 1. Voltage cell
 - ☒ 2. Photovoltaic cell
 - ☐ 3. Power cell
 - ☐ 4. Silicon cell

Question Type : MCQ

Question ID : 630680182631

Option 1 ID : 630680707631

Option 2 ID : 630680707630

Option 3 ID : 630680707632

Option 4 ID : 630680707629

Status : Answered

Chosen Option : 2

Marks : 2

Q.36 A simply supported beam has to support UDL. The nature of variation of shear force is_____.

- Ans
- ☐ 1. parabolic
 - ☐ 2. cubic
 - ☐ 3. constant value (rectangular shape)
 - ☒ 4. linear

Question Type : MCQ

Question ID : 630680311971

Option 1 ID : 6306801213790

Option 2 ID : 6306801213791

Option 3 ID : 6306801213792

Option 4 ID : 6306801213789

Status : Answered

Chosen Option : 4

Marks : 2

Q.37 Resection by a total station is also called_____.

- Ans
- ☒ 1. free stationing
 - ☐ 2. controlled stationing
 - ☐ 3. dependent stationing
 - ☐ 4. independent stationing

Question Type : MCQ

Question ID : 630680163132

Option 1 ID : 630680631752

Option 2 ID : 630680631754

Option 3 ID : 630680631755

Option 4 ID : 630680631753

Status : Answered

Chosen Option : 4

Marks : 0

Q.38 For a medium degree of workability, what is the compaction factor?

- Ans
- ☐ 1. 0.73
 - ☐ 2. 0.65
 - ☒ 3. 0.92
 - ☐ 4. 0.87

Question Type : MCQ

Question ID : 630680160618

Option 1 ID : 630680621845

Option 2 ID : 630680621846

Option 3 ID : 630680621844

Option 4 ID : 630680621847

Status : Answered

Chosen Option : 3

Marks : 2

Q.39 Which of the following statements is/are true for budget provision in estimation and costing?

Statement 1:

The project budget will collect only direct costs as it estimates the overall cost of delivering the project on time and meeting quality expectations.

Statement 2:

The project manager is responsible for making the most accurate project budget possible by using a work breakdown structure (WBS) and cost estimation techniques to visualise the project scope and then assign costs to each project task.

- Ans
- ☐ 1. Both Statement 1 and Statement 2 are true
 - ☒ 2. Statement 1 is false, Statement 2 is true
 - ☐ 3. Statement 1 is true, Statement 2 is false
 - ☐ 4. Both Statement 1 and Statement 2 are false

Question Type : MCQ

Question ID : 630680211765

Option 1 ID : 630680821207

Option 2 ID : 630680821210

Option 3 ID : 630680821209

Option 4 ID : 630680821208

Status : Answered

Chosen Option : 2

Marks : 2

Q.40 A basin that uses solar energy for distillation of water containing dissolved salts as impurities is known as _____.

- Ans
- ☒ 1. solar heating
 - ☒ 2. solar heater
 - ☒ 3. solar dryer
 - ☒ 4. solar still

Question Type : MCQ

Question ID : 630680182346

Option 1 ID : 630680706573

Option 2 ID : 630680706572

Option 3 ID : 630680706571

Option 4 ID : 630680706570

Status : Marked For Review

Chosen Option : 4

Marks : 2

Q.41 What is the content of SiO_2 in fly ash?

- Ans
- ☒ 1. 30% – 60%
 - ☒ 2. 18% – 25%
 - ☒ 3. 5% – 24%
 - ☒ 4. 2% – 12%

Question Type : MCQ

Question ID : 630680198713

Option 1 ID : 630680770812

Option 2 ID : 630680770813

Option 3 ID : 630680770811

Option 4 ID : 630680770814

Status : Answered

Chosen Option : 2

Marks : 0

Q.42 Tar is no longer used as a binder in pavements because of its _____.

- Ans
- ☒ 1. thermal susceptibility
 - ☒ 2. dye alteration
 - ☒ 3. stickiness
 - ☒ 4. resilience

Question Type : MCQ

Question ID : 630680198699

Option 1 ID : 630680770757

Option 2 ID : 630680770758

Option 3 ID : 630680770756

Option 4 ID : 630680770755

Status : Answered

Chosen Option : 4

Marks : 0

Q.43 Which of the following is NOT a major component subsystem of the GIS?

- Ans ☒ 1. Superimposing subsystem
☐ 2. Input subsystem
☐ 3. Processing subsystem
☐ 4. Output subsystem

Question Type : MCQ

Question ID : 630680163129

Option 1 ID : 630680631743

Option 2 ID : 630680631740

Option 3 ID : 630680631742

Option 4 ID : 630680631741

Status : Answered

Chosen Option : 1

Marks : 2

Q.44 How many methods of ferro cementing are there?

- Ans ☐ 1. Five
☐ 2. One
☐ 3. Seven
☒ 4. Three

Question Type : MCQ

Question ID : 630680198718

Option 1 ID : 630680770832

Option 2 ID : 630680770833

Option 3 ID : 630680770834

Option 4 ID : 630680770831

Status : Answered

Chosen Option : 1

Marks : 0

Q.45 The length of embedment necessary to develop the full tensile strength of the bar, controlled by either pull-out or splitting is known as _____.

- Ans ☐ 1. hook length
☐ 2. free length
☒ 3. development length
☐ 4. clear length

Question Type : MCQ

Question ID : 630680200571

Option 1 ID : 630680777641

Option 2 ID : 630680777640

Option 3 ID : 630680777642

Option 4 ID : 630680777639

Status : Answered

Chosen Option : 3

Marks : 2

Q.46 The type of the wall which is non-load bearing and constructed for space division within a constructed area is called _____.

- Ans
- ☐ 1. cavity wall
 - ☒ 2. partition wall
 - ☐ 3. curtain wall
 - ☐ 4. shear wall

Question Type : MCQ

Question ID : 630680167332

Option 1 ID : 630680648092

Option 2 ID : 630680648093

Option 3 ID : 630680648095

Option 4 ID : 630680648094

Status : Answered

Chosen Option : 2

Marks : 2

Q.47 At the base of a circular chimney bending stress has been observed as 20 N/mm^2 and direct compressive stress at the base is 42 N/mm^2 . Find the correct option with respect to resultant stress at the base.

- Ans
- ☐ 1. Resultant stress will be always greater than 62 N/mm^2 .
 - ☐ 2. Resultant stress will be always less than 20 N/mm^2 .
 - ☒ 3. Resultant stress will be of any value between 22 N/mm^2 and 62 N/mm^2 in the section.
 - ☐ 4. Resultant stress will be equal to 62 N/mm^2 everywhere in the section.

Question Type : MCQ

Question ID : 630680191184

Option 1 ID : 630680741377

Option 2 ID : 630680741378

Option 3 ID : 630680741380

Option 4 ID : 630680741379

Status : Answered

Chosen Option : 1

Marks : 0

Q.48 The joints in one rail are exactly opposite to the joints in the other rail. This type of joint is called:

- Ans
- ☐ 1. circle joint
 - ☐ 2. staggered joint
 - ☒ 3. square joint
 - ☐ 4. rectangle joint

Question Type : MCQ

Question ID : 630680191585

Option 1 ID : 630680742964

Option 2 ID : 630680742963

Option 3 ID : 630680742961

Option 4 ID : 630680742962

Status : Answered

Chosen Option : 2

Marks : 0

Q.49 For a purely cohesive soil, assume $c = 100 \text{ kN/m}^2$ and $N_c = 5$. Find the change in the net ultimate bearing capacity of the soil if the water table rises to ground level after heavy rainfall.

- Ans
- ☒ 1. 50% decrease
 - ☒ 2. 50% increase
 - ☒ 3. No change
 - ☒ 4. 100% decrease

Question Type : MCQ

Question ID : 630680181848

Option 1 ID : 630680704626

Option 2 ID : 630680704629

Option 3 ID : 630680704628

Option 4 ID : 630680704627

Status : Answered

Chosen Option : 1

Marks : 0

Q.50 A cantilever beam is subjected to an increased temperature of 50°C . The stresses in the beam due to temperature increase will be_____.

- Ans
- ☒ 1. zero
 - ☒ 2. compressive
 - ☒ 3. shear
 - ☒ 4. tensile

Question Type : MCQ

Question ID : 630680311979

Option 1 ID : 6306801213823

Option 2 ID : 6306801213822

Option 3 ID : 6306801213824

Option 4 ID : 6306801213821

Status : Answered

Chosen Option : 1

Marks : 2

Q.51 If a circular chimney is subjected to self-weight, only then stress distribution diagram at base will have:

- Ans
- ☒ 1. rectangular shape
 - ☒ 2. triangular shape
 - ☒ 3. parabolic shape
 - ☒ 4. trapezoidal shape

Question Type : MCQ

Question ID : 630680191185

Option 1 ID : 630680741382

Option 2 ID : 630680741383

Option 3 ID : 630680741381

Option 4 ID : 630680741384

Status : Answered

Chosen Option : 1

Marks : 2

Q.52 Which of the following is a hard surface type canal lining?

- Ans
- ☒ 1. Road oil lining
 - ☒ 2. Sodium carbonate lining
 - ☒ 3. Shotcrete lining
 - ☒ 4. Clay puddle lining

Question Type : MCQ

Question ID : 630680199372

Option 1 ID : 630680773130

Option 2 ID : 630680773129

Option 3 ID : 630680773128

Option 4 ID : 630680773127

Status : Answered

Chosen Option : 4

Marks : 0

Q.53 As per IS 456 : 2000, what is the nominal concrete mix design ratio used during construction of the sill with M15 concrete strength?

- Ans
- ☒ 1. 1 : 1 : 2
 - ☒ 2. 1 : 2 : 4
 - ☒ 3. 1 : 2.23 : 2.12
 - ☒ 4. 1 : 1.5 : 3

Question Type : MCQ

Question ID : 630680167318

Option 1 ID : 630680648036

Option 2 ID : 630680648037

Option 3 ID : 630680648039

Option 4 ID : 630680648038

Status : Answered

Chosen Option : 2

Marks : 2

Q.54 A cantilever beam AB of length 6 m is subjected to two moments 8 kNm (anti-clockwise) and 10 kNm (clockwise) at 2 m and 4 m away from the fixed end, respectively. The shear force at the centre of the beam will be:

- Ans
- ☒ 1. -10 kN
 - ☒ 2. 8 kN
 - ☒ 3. zero
 - ☒ 4. 10 kN

Question Type : MCQ

Question ID : 630680311968

Option 1 ID : 6306801213780

Option 2 ID : 6306801213779

Option 3 ID : 6306801213777

Option 4 ID : 6306801213778

Status : Answered

Chosen Option : 4

Marks : 0

Q.55 According to IS 456-2000, the permitted limit of sulphates in water for concreting purpose is _____ mg/l.

- Ans
- ☒ 1. 1500
 - ☒ 2. 2200
 - ☒ 3. 150
 - ☒ 4. 400

Question Type : MCQ

Question ID : 630680160615

Option 1 ID : 630680621834

Option 2 ID : 630680621835

Option 3 ID : 630680621832

Option 4 ID : 630680621833

Status : Answered

Chosen Option : 3

Marks : 0

Q.56 Seal coat is usually recommended as a _____ over bituminous pavements that are not impervious.

- Ans
- ☒ 1. bottom coat
 - ☒ 2. base coat
 - ☒ 3. intermediate coat
 - ☒ 4. top coat

Question Type : MCQ

Question ID : 630680191590

Option 1 ID : 630680742981

Option 2 ID : 630680742984

Option 3 ID : 630680742983

Option 4 ID : 630680742982

Status : Answered

Chosen Option : 4

Marks : 2

Q.57 Identify the INCORRECT statement with respect to doubly reinforced beams.

- Ans
- ☒ 1. Compression steel provided in doubly reinforced beams counters the compressive stresses.
 - ☒ 2. It is assumed that the concrete in the tension zone of a doubly reinforced beam does not counter any tensile stresses.
 - ☒ 3. The depth of the neutral axis of a doubly reinforced beam bears the same value as that a singly reinforced beam bears, for the given width and depth of the beam.
 - ☒ 4. Doubly reinforced beams are suitable when the depth of the beam is restricted.

Question Type : MCQ

Question ID : 630680200546

Option 1 ID : 630680777540

Option 2 ID : 630680777542

Option 3 ID : 630680777539

Option 4 ID : 630680777541

Status : Answered

Chosen Option : 3

Marks : 2

Q.58 Which of the following is NOT a type of non-destructive testing?

- Ans
- ☒ 1. Ultrasonic testing
 - ☒ 2. Compression testing
 - ☒ 3. Eddy current testing
 - ☒ 4. Visual testing

Question Type : MCQ
Question ID : 630680160626
Option 1 ID : 630680621878
Option 2 ID : 630680621876
Option 3 ID : 630680621879
Option 4 ID : 630680621877
Status : Answered
Chosen Option : 2
Marks : 2

Q.59 Which of the following types of cement is most frequently used for decorative projects, both inside and outside?

- Ans
- ☒ 1. Air entraining cement
 - ☒ 2. Low alumina cement
 - ☒ 3. Coloured cement
 - ☒ 4. Hydrographic cement

Question Type : MCQ
Question ID : 630680160613
Option 1 ID : 630680621824
Option 2 ID : 630680621826
Option 3 ID : 630680621825
Option 4 ID : 630680621827
Status : Answered
Chosen Option : 2
Marks : 0

Q.60 Eccentricity for a point load (vertical) applied about one principal axis in a short column with rectangular cross-section will cause _____.

- Ans
- ☒ 1. compression and biaxial bending
 - ☒ 2. no bending stress
 - ☒ 3. only compression
 - ☒ 4. compression and uniaxial bending

Question Type : MCQ
Question ID : 630680191202
Option 1 ID : 630680741451
Option 2 ID : 630680741449
Option 3 ID : 630680741452
Option 4 ID : 630680741450
Status : Answered
Chosen Option : 2
Marks : 0

Q.61 A pyramid of mass shows the total living biomass at each trophic level of the ecosystem. It shows the relationship between producers, herbivores and carnivores at successive trophic levels in terms of their number. The pyramid is inverted in case of _____.

- Ans
- ☐ 1. grassland ecosystem
 - ☐ 2. cropland ecosystem
 - ☐ 3. terrestrial ecosystem
 - ☒ 4. pond ecosystem

Question Type : MCQ

Question ID : 630680190913

Option 1 ID : 630680740348

Option 2 ID : 630680740346

Option 3 ID : 630680740347

Option 4 ID : 630680740345

Status : Answered

Chosen Option : 3

Marks : 0

Q.62 In a total station survey, which of the following is NOT an entry made in a total station, at a survey station?

- Ans
- ☒ 1. Magnetic bearing of the occupied station
 - ☐ 2. Co-ordinates of the occupied station
 - ☐ 3. Height of the instrument
 - ☐ 4. Station number

Question Type : MCQ

Question ID : 630680163134

Option 1 ID : 630680631763

Option 2 ID : 630680631761

Option 3 ID : 630680631760

Option 4 ID : 630680631762

Status : Answered

Chosen Option : 1

Marks : 2

Q.63 Three bars, AB, BC and CD of same cross-sectional area are attached firmly. The force at the end A is 50 kN of tensile nature for the part AB. A compressive force of 80 kN acts at B for the part BC and a compressive force of 20 kN acts at C for the part BC. A compressive force of 10 kN also acts at end D for the part CD. The nature of stress in the part AB and BC are_____.

- Ans
- ☐ 1. tensile for both parts
 - ☐ 2. compressive for both parts
 - ☐ 3. compressive and tensile, respectively
 - ☒ 4. tensile and compressive, respectively

Question Type : MCQ

Question ID : 630680311975

Option 1 ID : 6306801213807

Option 2 ID : 6306801213808

Option 3 ID : 6306801213806

Option 4 ID : 6306801213805

Status : Answered

Chosen Option : 4

Marks : 2

Q.64 Which of the following tests is NOT done on coarse aggregates?

- Ans ☒ 1. Slump test
☒ 2. Abrasion test
☒ 3. Shape test
☒ 4. Soundness test

Question Type : MCQ
Question ID : 630680191600
Option 1 ID : 630680743024
Option 2 ID : 630680743023
Option 3 ID : 630680743021
Option 4 ID : 630680743022
Status : Answered
Chosen Option : 1
Marks : 2

Q.65 The use of escalators is very common at public places due to:

- (i) Easy transportation
(ii) Less requirement for space
(iii) No electricity consumption
(iv) Heavy load carrying capacity

- Ans ☒ 1. Only (i), (ii) and (iv)
☒ 2. Only (i) and (iii)
☒ 3. Only (i) and (ii)
☒ 4. All of (i), (ii), (iii) and (iv)

Question Type : MCQ
Question ID : 630680167307
Option 1 ID : 630680647994
Option 2 ID : 630680647992
Option 3 ID : 630680647993
Option 4 ID : 630680647995
Status : Answered
Chosen Option : 1
Marks : 2

Q.66 The process of establishing intermediate points on a survey line joining two stations in the field, so that stations can be located accurately is known as :

- Ans ☒ 1. ranging
☒ 2. interpolating
☒ 3. traversing
☒ 4. levelling

Question Type : MCQ
Question ID : 630680163141
Option 1 ID : 630680631788
Option 2 ID : 630680631791
Option 3 ID : 630680631790
Option 4 ID : 630680631789
Status : Answered
Chosen Option : 2
Marks : 0

Q.67 Identify the INCORRECT statement regarding deduction in brickwork.

- Ans
- ☒ 1. No deduction made for wall plates, bed plates, bearing of slabs
 - ☒ 2. No deduction made for iron hold fast
 - ☒ 3. No deduction made for opening up to 0.4 sq. m
 - ☒ 4. No deduction made for ends of beams, lintels, and posts up to 0.05 sq. m in section

Question Type : MCQ

Question ID : 630680211769

Option 1 ID : 630680821225

Option 2 ID : 630680821226

Option 3 ID : 630680821223

Option 4 ID : 630680821224

Status : Answered

Chosen Option : 3

Marks : 2

Q.68 A pump converts _____ energy to _____ energy.

- Ans
- ☒ 1. mechanical, hydraulic
 - ☒ 2. hydraulic, mechanical
 - ☒ 3. electrical, mechanical
 - ☒ 4. mechanical, electrical

Question Type : MCQ

Question ID : 630680206155

Option 1 ID : 630680799419

Option 2 ID : 630680799421

Option 3 ID : 630680799422

Option 4 ID : 630680799420

Status : Answered

Chosen Option : 1

Marks : 2

Q.69 Lime concrete and cement concrete bedding in flooring work is measured in _____.

- Ans
- ☒ 1. square metres
 - ☒ 2. running metres
 - ☒ 3. numbers
 - ☒ 4. cubic metres

Question Type : MCQ

Question ID : 630680211746

Option 1 ID : 630680821132

Option 2 ID : 630680821133

Option 3 ID : 630680821134

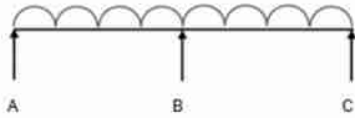
Option 4 ID : 630680821131

Status : Answered

Chosen Option : 4

Marks : 2

Q.70 In case of continuous beam as given, if a moment M is applied at end A, then the moment carried over at B shall be equal to:



- Ans
- ☒ 1. zero
 - ☒ 2. $M/2$ of same sense
 - ☒ 3. $M/2$ of opposite sense
 - ☒ 4. M of opposite sense

Question Type : MCQ

Question ID : 630680191222

Option 1 ID : 630680741529

Option 2 ID : 630680741532

Option 3 ID : 630680741531

Option 4 ID : 630680741530

Status : Answered

Chosen Option : 2

Marks : 2

Q.71 Which of the following is contained in a relatively higher percentage in rapid hardening cement?

- Ans
- ☒ 1. Tetracalcium Aluminoferrite (C4AF)
 - ☒ 2. Tricalcium aluminate (C3A)
 - ☒ 3. Tricalcium silicate (C3S)
 - ☒ 4. Dicalcium silicate (C2S)

Question Type : MCQ

Question ID : 630680191308

Option 1 ID : 630680741875

Option 2 ID : 630680741874

Option 3 ID : 630680741873

Option 4 ID : 630680741876

Status : Answered

Chosen Option : 2

Marks : 0

Q.72 In GPS survey, the system in which the differences between the observed and computed co-ordinates at a particular known point are transmitted to the users to improve the accuracy of the user's receiver position is called _____.

- Ans
- ☒ 1. IGPS
 - ☒ 2. PGPS
 - ☒ 3. RGPS
 - ☒ 4. DGPS

Question Type : MCQ

Question ID : 630680192168

Option 1 ID : 630680745275

Option 2 ID : 630680745276

Option 3 ID : 630680745274

Option 4 ID : 630680745273

Status : Answered

Chosen Option : 1

Marks : 0

Q.73 California bearing ratio test apparatus consists of a mould of _____ diameter with a base plate and a collar.

- Ans
- ☒ 1. 75 mm
 - ☒ 2. 150 mm
 - ☒ 3. 300 mm
 - ☒ 4. 100 mm

Question Type : MCQ

Question ID : 630680191603

Option 1 ID : 630680743034

Option 2 ID : 630680743035

Option 3 ID : 630680743036

Option 4 ID : 630680743033

Status : Answered

Chosen Option : 2

Marks : 2

Q.74 In brickworks, length and height is measured to the nearest _____.

- Ans
- ☒ 1. 0.01 cm
 - ☒ 2. 0.1 cm
 - ☒ 3. 0.5 cm
 - ☒ 4. 1 cm

Question Type : MCQ

Question ID : 630680211743

Option 1 ID : 630680821119

Option 2 ID : 630680821120

Option 3 ID : 630680821122

Option 4 ID : 630680821121

Status : Answered

Chosen Option : 1

Marks : 0

Q.75 A fixed beam when compared to a simply supported beam will have _____.

- Ans
- ☒ 1. certain magnitude of slope and deflection at ends
 - ☒ 2. zero slope at ends
 - ☒ 3. sagging moment at end support
 - ☒ 4. zero moment at the end supports

Question Type : MCQ

Question ID : 630680191211

Option 1 ID : 630680741485

Option 2 ID : 630680741488

Option 3 ID : 630680741487

Option 4 ID : 630680741486

Status : Answered

Chosen Option : 4

Marks : 0

Section : English/Marathi/General Knowledge/Reasoning Test

Q.76 खालील म्हाणीचा योग्य अर्थ ओळखा.
'अंतरूप पाहून पाय पसरावे.'

- Ans
- ☒ 1. आपली ऐपत व सकृब पाहून वागावे.
 - ☒ 2. अनुकूल परिस्थिती प्राप्त होताच माणसाचे बळ अधिक वाढत असते.
 - ☒ 3. चांगली गोष्ट कोणत्याही परिस्थितीत केली तरी तिचा परिणाम चांगलाच होतो.
 - ☒ 4. परिश्रम केल्यानंतर विश्रांतीची गरज वाटणे.

Question Type : MCQ

Question ID : 630680511770

Option 1 ID : 6306802000053

Option 2 ID : 6306802000051

Option 3 ID : 6306802000052

Option 4 ID : 6306802000050

Status : Answered

Chosen Option : 1

Marks : 2

Q.77 Which of the following campaigns was launched by Prime Minister Narendra Modi to honour the martyred brave hearts of the country?

- Ans
- ☒ 1. Meri Mati Mera Desh
 - ☒ 2. Jawan ka Samman
 - ☒ 3. Ex Servicemen Contributory Health Scheme (ECHS)
 - ☒ 4. Mission Karmayogi

Question Type : MCQ

Question ID : 630680511773

Option 1 ID : 6306802000062

Option 2 ID : 6306802000064

Option 3 ID : 6306802000063

Option 4 ID : 6306802000065

Status : Answered

Chosen Option : 1

Marks : 2

Q.78 There are 120 students in a competition. If Aisha ranks 95th from the bottom, what is her rank from the top?

Ans ☒ 1. 24

☒ 2. 26

☒ 3. 25

☒ 4. 27

Question Type : MCQ

Question ID : 630680511778

Option 1 ID : 6306802000083

Option 2 ID : 6306802000082

Option 3 ID : 6306802000085

Option 4 ID : 6306802000084

Status : Answered

Chosen Option : 2

Marks : 2

Q.79 Sumit is the husband of Radha. Radha is the daughter of Rakesh. Mohit is the husband of Priyanka. Priyanka's mother is the wife of Rakesh. How is Mohit related to Rakesh?

Ans ☒ 1. Daughter's son

☒ 2. Brother's son

☒ 3. Sister's husband

☒ 4. Daughter's husband

Question Type : MCQ

Question ID : 630680511781

Option 1 ID : 6306802000096

Option 2 ID : 6306802000095

Option 3 ID : 6306802000097

Option 4 ID : 6306802000094

Status : Answered

Chosen Option : 4

Marks : 2

Q.80 What is the official language of Goa?

Ans ☒ 1. Konkani

☒ 2. Sindhi

☒ 3. Dogri

☒ 4. Santhali

Question Type : MCQ

Question ID : 630680511775

Option 1 ID : 6306802000072

Option 2 ID : 6306802000071

Option 3 ID : 6306802000073

Option 4 ID : 6306802000070

Status : Answered

Chosen Option : 4

Marks : 0

Q.81 Choose the option which is a synonym (similar to) the bracketed word used in the sentence given below:

He (lamented) his decision not to attend his friend's wedding

- Ans
- ☒ 1. rejoiced
 - ☒ 2. supported
 - ☒ 3. regretted
 - ☒ 4. contemplated

Question Type : MCQ

Question ID : 630680511762

Option 1 ID : 6306802000019

Option 2 ID : 6306802000020

Option 3 ID : 6306802000018

Option 4 ID : 6306802000021

Status : Answered

Chosen Option : 3

Marks : 2

Q.82 The biosphere reserve "Manas" is located in which state of India?

- Ans
- ☒ 1. Assam
 - ☒ 2. Sikkim
 - ☒ 3. West Bengal
 - ☒ 4. Arunachal Pradesh

Question Type : MCQ

Question ID : 630680511776

Option 1 ID : 6306802000076

Option 2 ID : 6306802000077

Option 3 ID : 6306802000075

Option 4 ID : 6306802000074

Status : Answered

Chosen Option : 3

Marks : 0

Q.83 Select the option that is related to the third word in the same way as the second word is related to the first word.

City of Lakes : Nainital :: Blue Mountains : ?

- Ans
- ☒ 1. Nilgiris
 - ☒ 2. Vaniyambadi
 - ☒ 3. Namakkal
 - ☒ 4. Salem

Question Type : MCQ

Question ID : 630680511783

Option 1 ID : 6306802000104

Option 2 ID : 6306802000102

Option 3 ID : 6306802000105

Option 4 ID : 6306802000103

Status : Answered

Chosen Option : 1

Marks : 2

Q.84 How many numbers are there in the given series that are immediately preceded and followed by a different symbol?

1 % 8 @ 0 ! 3 ^ 6 * 9 5 ! 6 ^ 3 1 % 4 9 @ 2 %

Ans ☒ 1. 6

☐ 2. 8

☐ 3. 7

☐ 4. 5

Question Type : MCQ

Question ID : 630680511779

Option 1 ID : 6306802000087

Option 2 ID : 6306802000086

Option 3 ID : 6306802000089

Option 4 ID : 6306802000088

Status : Answered

Chosen Option : 4

Marks : 0

Q.85 The World Athletics Championship 2023 was held in which city?

Ans ☐ 1. Berlin

☐ 2. Hamburg

☒ 3. Budapest

☐ 4. Moscow

Question Type : MCQ

Question ID : 630680511772

Option 1 ID : 6306802000059

Option 2 ID : 6306802000060

Option 3 ID : 6306802000058

Option 4 ID : 6306802000061

Status : Answered

Chosen Option : 2

Marks : 0

Q.86 खालील शब्दाचा समानार्थी शब्द ओळखा.
'असाध्य'

Ans ☐ 1. साध्य

☐ 2. असंतोष

☒ 3. अप्राप्य

☐ 4. असंतुलीत

Question Type : MCQ

Question ID : 630680511767

Option 1 ID : 6306802000040

Option 2 ID : 6306802000039

Option 3 ID : 6306802000041

Option 4 ID : 6306802000038

Status : Answered

Chosen Option : 3

Marks : 2

Q.87 From the options given below choose the antonym (opposite meaning) of the word:
Ineffable

- Ans ☒ 1. wicked
☒ 2. expressible
☒ 3. unbelievable
☒ 4. indescribable

Question Type : MCQ

Question ID : 630680511765

Option 1 ID : 6306802000033

Option 2 ID : 6306802000032

Option 3 ID : 6306802000031

Option 4 ID : 6306802000030

Status : Answered

Chosen Option : 3

Marks : 0

Q.88 खालील वाक्यातील प्रयोग ओळखा.
'तिचा निबंध लिहून झाला.'

- Ans ☒ 1. शक्य कर्मणी
☒ 2. नवीन कर्मणी
☒ 3. समापन कर्मणी
☒ 4. प्रधानकर्तृक कर्मणी

Question Type : MCQ

Question ID : 630680511769

Option 1 ID : 6306802000047

Option 2 ID : 6306802000049

Option 3 ID : 6306802000048

Option 4 ID : 6306802000046

Status : Answered

Chosen Option : 2

Marks : 0

Q.89 Two statements are given, followed by two conclusions numbered I, and II. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

I. Some days are boring.

II. Some boring are interesting.

Conclusions:

I. Some interesting are days.

II. Some interesting are not boring.

- Ans ☒ 1. Both conclusions I and II follow
- ☒ 2. Neither conclusion I nor II follows
- ☒ 3. Only conclusion II follows
- ☒ 4. Only conclusion I follows

Question Type : MCQ

Question ID : 630680511782

Option 1 ID : 6306802000100

Option 2 ID : 6306802000101

Option 3 ID : 6306802000099

Option 4 ID : 6306802000098

Status : Answered

Chosen Option : 4

Marks : 0

Q.90 From the options given below choose the synonym (similar meaning) of the word: Mirth

- Ans ☒ 1. jealous
- ☒ 2. sad
- ☒ 3. cheerful
- ☒ 4. disgust

Question Type : MCQ

Question ID : 630680511764

Option 1 ID : 6306802000028

Option 2 ID : 6306802000026

Option 3 ID : 6306802000027

Option 4 ID : 6306802000029

Status : Answered

Chosen Option : 3

Marks : 2

Q.91 खालील वाक्यचाराचा योग्य अर्थ ओळखा.
'मधाचे बोट लावणे'

- Ans
- ☒ 1. निराश होणे
 - ☒ 2. आनंद व्यक्त करणे
 - ☒ 3. दुःख करीत बसणे
 - ☒ 4. लालूच दाखविणे

Question Type : MCQ
Question ID : 630680511771
Option 1 ID : 6306802000057
Option 2 ID : 6306802000056
Option 3 ID : 6306802000055
Option 4 ID : 6306802000054
Status : Answered
Chosen Option : 4
Marks : 2

Q.92 Who is the current Chief Minister of Uttar Pradesh?

- Ans
- ☒ 1. Dr. Manik Saha
 - ☒ 2. Shri Yogi Aditya Nath
 - ☒ 3. Shri Ashok Gehlot
 - ☒ 4. Amit Shah

Question Type : MCQ
Question ID : 630680511777
Option 1 ID : 6306802000080
Option 2 ID : 6306802000078
Option 3 ID : 6306802000081
Option 4 ID : 6306802000079
Status : Answered
Chosen Option : 2
Marks : 2

Q.93 Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the odd letter-cluster.

- Ans
- ☒ 1. XZB
 - ☒ 2. QOS
 - ☒ 3. JLN
 - ☒ 4. FHJ

Question Type : MCQ
Question ID : 630680511784
Option 1 ID : 6306802000109
Option 2 ID : 6306802000107
Option 3 ID : 6306802000106
Option 4 ID : 6306802000108
Status : Answered
Chosen Option : 2
Marks : 2

Q.94 Choose the option which is a synonym (similar to) the bracketed word used in the sentence given below:

Bollywood movies always have (nefarious) villains.

- Ans
- ☒ 1. smart
 - ☒ 2. handsome
 - ☒ 3. ethical
 - ☒ 4. evil

Question Type : MCQ

Question ID : 630680511761

Option 1 ID : 6306802000017

Option 2 ID : 6306802000014

Option 3 ID : 6306802000016

Option 4 ID : 6306802000015

Status : Answered

Chosen Option : 4

Marks : 2

Q.95 खालील शब्दाचा अचूक अर्थ सांगा.
'अरिष्ट'

- Ans
- ☒ 1. संकट
 - ☒ 2. आशीर्वाद
 - ☒ 3. अर्पित
 - ☒ 4. शिष्ट

Question Type : MCQ

Question ID : 630680511766

Option 1 ID : 6306802000034

Option 2 ID : 6306802000035

Option 3 ID : 6306802000037

Option 4 ID : 6306802000036

Status : Answered

Chosen Option : 1

Marks : 2

Q.96 Who was the founder of the "Chipko" movement?

- Ans
- ☒ 1. Jaya Prakash Narayan
 - ☒ 2. Debendranath Tagore
 - ☒ 3. Jyotiba Phule
 - ☒ 4. Sunderlal Bahuguna

Question Type : MCQ

Question ID : 630680511774

Option 1 ID : 6306802000069

Option 2 ID : 6306802000067

Option 3 ID : 6306802000066

Option 4 ID : 6306802000068

Status : Answered

Chosen Option : 2

Marks : 0

Q.97 Choose the option which are antonyms (opposite of) the word used in the sentence given below:

To take revenge on those who had slighted her, Eris decided to cause a skirmish. Into the middle of the banquet hall, she threw a golden apple marked "for the most beautiful." All of the goddesses began to haggle over who should possess it.

- Ans
- ☒ 1. slighted/ approved
 - ☐ 2. haggle/ negotiate
 - ☐ 3. beautiful/ pretty
 - ☐ 4. skirmish/ scuffle

Question Type : MCQ
Question ID : 630680511760
Option 1 ID : 6306802000010
Option 2 ID : 6306802000013
Option 3 ID : 6306802000012
Option 4 ID : 6306802000011
Status : Answered
Chosen Option : 3
Marks : 0

Q.98 In a certain code language, if CIRCLE is coded as DJSDMF, SQUARE is coded as TRVBSF, then what will TRIANGLE be coded as?

- Ans
- ☐ 1. UJBOSMF
 - ☒ 2. USJBOMF
 - ☐ 3. USJBMOHF
 - ☐ 4. USJBHMOF

Question Type : MCQ
Question ID : 630680511780
Option 1 ID : 6306802000093
Option 2 ID : 6306802000090
Option 3 ID : 6306802000091
Option 4 ID : 6306802000092
Status : Answered
Chosen Option : 2
Marks : 2

Q.99 खालील शब्दाचा विरुद्धार्थी शब्द ओळखा.
'प्रखर'

- Ans
- ☐ 1. प्रबल
 - ☐ 2. प्रज्वलित
 - ☐ 3. प्रसार
 - ☒ 4. सौम्य

Question Type : MCQ
Question ID : 630680511768
Option 1 ID : 6306802000044
Option 2 ID : 6306802000042
Option 3 ID : 6306802000045
Option 4 ID : 6306802000043
Status : Answered
Chosen Option : 4
Marks : 2

Q.100 From the options given below choose the antonym (opposite meaning) of the word:
Meticulous

- Ans ☒ 1. negligent
 ☐ 2. careful
 ☐ 3. daydreaming
 ☐ 4. zealous

Question Type : MCQ

Question ID : 630680511763

Option 1 ID : 6306802000022

Option 2 ID : 6306802000023

Option 3 ID : 6306802000024

Option 4 ID : 6306802000025

Status : Answered

Chosen Option : 3

Marks : 0



CIVIL UPDATE

Stay Connected