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(Civil)
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Participant ID	
Participant Name	
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Test Date	21/01/2024
Test Time	8:30 AM - 10:30 AM
Subject	Supervisor Trainee Civil

Section : Question on Subject/Discipline

Q.1 In the context of IS 800, which of the following best describes the limit state method?

- Ans ☒ 1. A design approach considering both the ultimate load-carrying capacity and serviceability requirements of the structure.
- ☐ 2. A method that focuses primarily on the ultimate strength of materials without considering serviceability.
- ☐ 3. A conservative design approach based solely on elastic theory and material properties.
- ☐ 4. An approach that replaces the working stress method by only considering the failure state.

Question ID : 630680547725

Option 1 ID : 6306802141466

Option 2 ID : 6306802141465

Option 3 ID : 6306802141463

Option 4 ID : 6306802141464

Status : Answered

Chosen Option : 1

Q.2 Which of the following tests is commonly used to measure the workability of fresh concrete?

- Ans
- ☐ 1. Compression test
 - ☐ 2. Split tensile test
 - ☐ 3. Ultrasonic pulse velocity test
 - ☒ 4. Slump test

Question ID : 630680547690
 Option 1 ID : 6306802141326
 Option 2 ID : 6306802141324
 Option 3 ID : 6306802141323
 Option 4 ID : 6306802141325
 Status : Answered
 Chosen Option : 4

Q.3 The autoclave test in cement testing is used to determine the:

- Ans
- ☐ 1. Tensile strength
 - ☐ 2. Initial setting time
 - ☒ 3. Soundness of cement
 - ☐ 4. Compressive strength

Question ID : 630680547685
 Option 1 ID : 6306802141303
 Option 2 ID : 6306802141305
 Option 3 ID : 6306802141306
 Option 4 ID : 6306802141304
 Status : Answered
 Chosen Option : 3

Q.4 Which of the following statement is true for CPM when compared to PERT?

- Ans
- ☐ 1. It is used for non-repetitive jobs.
 - ☐ 2. It indirectly introduces the concept of cost into the analysis
 - ☒ 3. It does not incorporate statistical analysis in determining time estimates
 - ☐ 4. Under CPM convention, each event represented by a circle and arrows are used to indicate activities.

Question ID : 630680547743
 Option 1 ID : 6306802141537
 Option 2 ID : 6306802141535
 Option 3 ID : 6306802141536
 Option 4 ID : 6306802141538
 Status : Answered
 Chosen Option : 4

Q.5 What is the primary role of sand in concrete production?

- Ans
- ☐ 1. To enhance the chemical reaction with cement
 - ☐ 2. To color the concrete
 - ☐ 3. To reduce the cost of concrete
 - ☒ 4. To act as a filler and provide strength to the concrete

Question ID : 630680547653
 Option 1 ID : 6306802141177
 Option 2 ID : 6306802141175
 Option 3 ID : 6306802141176
 Option 4 ID : 6306802141178
 Status : Answered
 Chosen Option : 4

Q.6 What is a key advantage of using the Method of Sections over the Method of Joints in truss analysis?

- Ans
- ☐ 1. The Method of Sections does not require the assumption of concurrent forces at the joints.
 - ☒ 2. The Method of Sections can directly calculate the forces in any member without having to analyze the entire truss.
 - ☐ 3. The Method of Sections is more accurate than the Method of Joints.
 - ☐ 4. The Method of Sections is the only method that allows for the calculation of reaction forces.

Question ID : 630680547724
 Option 1 ID : 6306802141461
 Option 2 ID : 6306802141459
 Option 3 ID : 6306802141462
 Option 4 ID : 6306802141460
 Status : Answered
 Chosen Option : 2

Q.7 If a surveyor is taking bearings for a closed traverse and notes that the bearings of two lines, which should theoretically be 180 degrees apart, are actually 180 degrees and 30 minutes apart, what could be a most possible explanation for this discrepancy out of the following?

- Ans
- ☐ 1. The compass has a manufacturing defect causing a constant error.
 - ☐ 2. The surveyor has taken one of the bearings from the wrong station.
 - ☐ 3. The magnetic declination has changed between the measurements of the two lines.
 - ☒ 4. There is an undetected local attraction affecting one of the lines.

Question ID : 630680547664
 Option 1 ID : 6306802141222
 Option 2 ID : 6306802141220
 Option 3 ID : 6306802141221
 Option 4 ID : 6306802141219
 Status : Answered
 Chosen Option : 4

Q.8 In the detailing of reinforcement for a two-way slab, which of the following statements is correct?

- Ans ☒ 1. The distribution bars are placed in the direction of the longer span and the main bars in the direction of the shorter span.
- ☒ 2. Only main bars are provided in two-way slabs, without any distribution bars.
- ☒ 3. The amount of reinforcement is the same in both directions.
- ☒ 4. The distribution bars are placed in the direction of the shorter span and the main bars in the direction of the longer span.

Question ID : 630680547736
Option 1 ID : 6306802141507
Option 2 ID : 6306802141510
Option 3 ID : 6306802141509
Option 4 ID : 6306802141508
Status : Answered
Chosen Option : 4

Q.9 Which of the following efficiency types refers to the measurement of water that is delivered to the farm gate from the source as a percentage of water released from the reservoir?

- Ans ☒ 1. Conveyance Efficiency
- ☒ 2. Application Efficiency
- ☒ 3. Distribution Uniformity
- ☒ 4. Field Water Use Efficiency

Question ID : 630680547713
Option 1 ID : 6306802141418
Option 2 ID : 6306802141417
Option 3 ID : 6306802141415
Option 4 ID : 6306802141416
Status : Answered
Chosen Option : 1

Q.10 In a beam subjected to pure bending, the direct stress at any point within the elastic limit is directly proportional to:

- Ans ☒ 1. The moment of inertia of the beam section.
- ☒ 2. The total applied load on the beam.
- ☒ 3. The cross-sectional area of the beam.
- ☒ 4. The distance of the point from the neutral axis.

Question ID : 630680547720
Option 1 ID : 6306802141443
Option 2 ID : 6306802141445
Option 3 ID : 6306802141446
Option 4 ID : 6306802141444
Status : Answered
Chosen Option : 4

Q.11 What does the intersection point of the Mohr-Coulomb failure envelope with the shear stress axis represent in soil mechanics?

- Ans
- ☒ 1. The angle of internal friction of the soil
 - ☒ 2. The maximum shear stress the soil can withstand before failure
 - ☒ 3. The cohesion of the soil
 - ☒ 4. The maximum normal stress the soil can withstand before failure

Question ID : 630680547696
 Option 1 ID : 6306802141348
 Option 2 ID : 6306802141349
 Option 3 ID : 6306802141347
 Option 4 ID : 6306802141350
 Status : Answered
 Chosen Option : 2

Q.12 Which of the following factors does NOT directly influence the workability of concrete?

- Ans
- ☒ 1. Curing temperature
 - ☒ 2. Aggregate size and shape
 - ☒ 3. Type of cementitious material
 - ☒ 4. Method of compaction

Question ID : 630680547687
 Option 1 ID : 6306802141312
 Option 2 ID : 6306802141314
 Option 3 ID : 6306802141311
 Option 4 ID : 6306802141313
 Status : Answered
 Chosen Option : 3

Q.13 For a cantilever beam of length L carrying a point load P at the free end, what is the deflection at the free end?

- Ans
- ☒ 1. $\frac{PL}{2EI}$
 - ☒ 2. $\frac{PL^2}{2EI}$
 - ☒ 3. $\frac{PL^3}{2EI}$
 - ☒ 4. $\frac{PL^3}{3EI}$

Question ID : 630680547721
 Option 1 ID : 6306802141447
 Option 2 ID : 6306802141449
 Option 3 ID : 6306802141448
 Option 4 ID : 6306802141450
 Status : Answered
 Chosen Option : 4

Q.14 Which of the following strategies aligns most closely with the "Enforcement" aspect of the three Es in traffic engineering?

- Ans ☒ 1. Implementing an automated traffic violation detection system.
- ☐ 2. Distributing pamphlets on safe pedestrian practices at schools.
- ☐ 3. Designing a roundabout to reduce the likelihood of head-on collisions.
- ☐ 4. Creating public service announcements regarding the importance of seatbelt use.

Question ID : 630680547748
 Option 1 ID : 6306802141555
 Option 2 ID : 6306802141556
 Option 3 ID : 6306802141557
 Option 4 ID : 6306802141558
 Status : Answered
 Chosen Option : 1

Q.15 Which of the following statements correctly relates the elastic modulus (Young's Modulus, E) to the shear modulus (G) and Poisson's ratio (ν) for a homogeneous isotropic material?

- Ans ☐ 1. $E = G(1 + \nu)$
- ☐ 2. $E = 2G(1 + \nu)$
- ☐ 3. $G = \frac{E}{2(1 - \nu)}$
- ☒ 4. $G = \frac{E}{2(1 + \nu)}$

Question ID : 630680547674
 Option 1 ID : 6306802141259
 Option 2 ID : 6306802141260
 Option 3 ID : 6306802141262
 Option 4 ID : 6306802141261
 Status : Answered
 Chosen Option : 2

Q.16 As per IS 800, what coefficient of friction is assumed for surfaces blasted with shot or grit and hot dip galvanized while calculating the nominal shear capacity of a bolt in a friction type bolted connection, where the capacity is governed by slip?

- Ans ☐ 1. 0.25
- ☐ 2. 0.20
- ☒ 3. 0.10
- ☐ 4. 0.50

Question ID : 630680547734
 Option 1 ID : 6306802141502
 Option 2 ID : 6306802141499
 Option 3 ID : 6306802141501
 Option 4 ID : 6306802141500
 Status : Answered
 Chosen Option : 2

Q.17 A cylindrical rod made of an isotropic elastic material is subjected to a longitudinal stress due to a tensile force along its axis. If the longitudinal strain observed is 5×10^{-3} and the Poisson's ratio for the material is 0.3, what is the lateral strain experienced by the rod?

- Ans ☒ 1. -1.5×10^{-3}
☒ 2. 1.5×10^{-2}
☒ 3. 1.5×10^{-3}
☒ 4. -1.5×10^2

Question ID : 630680547673
 Option 1 ID : 6306802141258
 Option 2 ID : 6306802141255
 Option 3 ID : 6306802141257
 Option 4 ID : 6306802141256
 Status : Answered
 Chosen Option : 1

Q.18 In the context of Environmental Impact Assessment (EIA) in India, what is a key consideration that must be addressed for a new industrial project?

- Ans ☒ 1. The potential environmental impacts and mitigation measures
☒ 2. The total financial investment in the project
☒ 3. The project's contribution to the local economy
☒ 4. The duration of the project completion

Question ID : 630680547752
 Option 1 ID : 6306802141571
 Option 2 ID : 6306802141573
 Option 3 ID : 6306802141574
 Option 4 ID : 6306802141572
 Status : Answered
 Chosen Option : 1

Q.19 Which type of special concrete is best suited for construction in areas exposed to the freeze-thaw cycle?

- Ans ☒ 1. Lightweight Concrete
☒ 2. Air-Entrained Concrete
☒ 3. Pervious Concrete
☒ 4. High-Density Concrete

Question ID : 630680547694
 Option 1 ID : 6306802141342
 Option 2 ID : 6306802141341
 Option 3 ID : 6306802141339
 Option 4 ID : 6306802141340
 Status : Answered
 Chosen Option : 4

Q.20 What is the value of the carry-over factor in a fixed-end beam?

- Ans
- ☒ 1. 1
 - ☒ 2. 0
 - ☒ 3. Depends on the length of the beam
 - ☒ 4. 0.5

Question ID : 630680547723
 Option 1 ID : 6306802141457
 Option 2 ID : 6306802141455
 Option 3 ID : 6306802141458
 Option 4 ID : 6306802141456
 Status : Answered
 Chosen Option : 1

Q.21 In the context of varnishes used in construction, which characteristic is primarily responsible for the hard, transparent finish that protects wood surfaces from environmental factors?

- Ans
- ☒ 1. The molecular weight of the solvent
 - ☒ 2. The proportion of oil to resin
 - ☒ 3. The drying time after application
 - ☒ 4. The addition of UV filters

Question ID : 630680547659
 Option 1 ID : 6306802141199
 Option 2 ID : 6306802141201
 Option 3 ID : 6306802141202
 Option 4 ID : 6306802141200
 Status : Answered
 Chosen Option : 2

Q.22 Which of the following electrical installation is depicted in the below symbol?



- Ans
- ☒ 1. Distribution fuse-board with switches, lighting
 - ☒ 2. Distribution fuse-board without switches, lighting
 - ☒ 3. Distribution fuse-board with switches, power
 - ☒ 4. Distribution fuse-board without switches, power

Question ID : 630680547683
 Option 1 ID : 6306802141296
 Option 2 ID : 6306802141295
 Option 3 ID : 6306802141298
 Option 4 ID : 6306802141297
 Status : Answered
 Chosen Option : 2

Q.23 Which of the following is a spillway type based on function?

- Ans ☒ 1. Auxiliary spillway
☒ 2. Gated spillway
☒ 3. Chute spillway
☒ 4. Stepped spillway

Question ID : 630680547716
 Option 1 ID : 6306802141427
 Option 2 ID : 6306802141430
 Option 3 ID : 6306802141429
 Option 4 ID : 6306802141428
 Status : Answered
 Chosen Option : 1

Q.24 Darcy's law of permeability is typically applied under which of the following conditions for accurate results?

- Ans ☒ 1. Laminar flow through isotropic porous medium
☒ 2. High-velocity flow in heterogeneous media
☒ 3. Turbulent flow conditions in the aquifer
☒ 4. When the fluid is non-Newtonian in nature

Question ID : 630680547695
 Option 1 ID : 6306802141345
 Option 2 ID : 6306802141343
 Option 3 ID : 6306802141344
 Option 4 ID : 6306802141346
 Status : Answered
 Chosen Option : 1

Q.25 In tension members, the distance between the centres of two adjacent fasteners (pitch) in a line lying in the direction of stress, shall not exceed

- Ans ☒ 1. $12t$ or 200 mm, whichever is less.
☒ 2. $24t$ or 300 mm, whichever is less.
☒ 3. $32t$ or 300 mm, whichever is less.
☒ 4. $16t$ or 200 mm, whichever is less.

Question ID : 630680547733
 Option 1 ID : 6306802141495
 Option 2 ID : 6306802141497
 Option 3 ID : 6306802141498
 Option 4 ID : 6306802141496
 Status : Answered
 Chosen Option : 4

Q.26 A simply supported beam of length L carries a point load P at the midpoint. What is the value of the maximum bending moment in the beam?

Ans

✗ 1. $\frac{PL}{2}$

✗ 2. $\frac{PL}{8}$

✓ 3. $\frac{PL}{4}$

✗ 4. PL

Question ID : 630680547675

Option 1 ID : 6306802141263

Option 2 ID : 6306802141265

Option 3 ID : 6306802141264

Option 4 ID : 6306802141266

Status : Answered

Chosen Option : 3

Q.27 If a farmer decides to extend the base period of a crop beyond the recommended agricultural guidelines without changing the crop period, what is the most likely consequence?

Ans

✗ 1. Enhanced soil fertility due to longer land preparation time.

✗ 2. No change in crop yield, but an increase in labor costs.

✓ 3. Decreased crop yield due to a reduction in the efficiency of water usage.

✗ 4. Improved crop yield due to increased growing time.

Question ID : 630680547712

Option 1 ID : 6306802141412

Option 2 ID : 6306802141413

Option 3 ID : 6306802141411

Option 4 ID : 6306802141414

Status : Answered

Chosen Option : 4

Q.28 During a plate load test, what is the importance of the modulus of subgrade reaction (k-value)?

Ans

✗ 1. It is used to calculate the lateral earth pressure coefficient.

✗ 2. It measures the rate of consolidation of the soil under load.

✓ 3. It determines the stiffness of the soil and its ability to distribute load.

✗ 4. It indicates the permeability and drainage characteristics of the soil.

Question ID : 630680547697

Option 1 ID : 6306802141351

Option 2 ID : 6306802141353

Option 3 ID : 6306802141354

Option 4 ID : 6306802141352

Status : Answered

Chosen Option : 2

Q.29 What parameter did Lacey introduce in his theory that was not a factor in Kennedy's approach to canal design?

- Ans
- ☐ 1. Hydraulic radius
 - ☐ 2. Wetted perimeter
 - ☐ 3. Hydraulic Diameter
 - ☒ 4. Silt factor

Question ID : 630680547717
 Option 1 ID : 6306802141432
 Option 2 ID : 6306802141433
 Option 3 ID : 6306802141431
 Option 4 ID : 6306802141434
 Status : Answered
 Chosen Option : 4

Q.30 Why is it important to ensure that the sand used in construction is free of salts?

- Ans
- ☐ 1. Salts enhance the curing time of concrete.
 - ☐ 2. Salts can attract wildlife to the construction site.
 - ☒ 3. Salts can cause efflorescence, leading to staining
 - ☐ 4. Salts can change the color of the final construction material.

Question ID : 630680547655
 Option 1 ID : 6306802141186
 Option 2 ID : 6306802141184
 Option 3 ID : 6306802141185
 Option 4 ID : 6306802141183
 Status : Answered
 Chosen Option : 3

Q.31 The discharge through an orifice can be calculated using the formula $Q = C_d A \sqrt{2gh}$, where Q is the discharge, C_d is the discharge coefficient, A is the cross-sectional area of the orifice, g is the acceleration due to gravity, h is the head of the liquid above the orifice. If the actual measured discharge is lower than the theoretical discharge, which of the following could be true?

- Ans
- ☐ 1. The discharge coefficient C_d is equal to 1.
 - ☐ 2. The head h has been overestimated in the calculation of the theoretical discharge.
 - ☐ 3. The velocity of the fluid is greater than what is predicted by the theoretical formula.
 - ☒ 4. The discharge coefficient C_d is less than 1 due to flow contractions and friction losses.

Question ID : 630680547706
 Option 1 ID : 6306802141387
 Option 2 ID : 6306802141388
 Option 3 ID : 6306802141390
 Option 4 ID : 6306802141389
 Status : Answered
 Chosen Option : 4

Q.32 As per IS 456, what is the maximum spacing recommended for main reinforcement in RCC slabs?

- Ans
- ☐ 1. Two times the effective depth of the slab or 450 mm, whichever is more.
 - ☐ 2. Three times the effective depth of the slab or 450 mm, whichever is less.
 - ☐ 3. Two times the effective depth of the slab or 300 mm, whichever is more.
 - ☒ 4. Three times the effective depth of the slab or 300 mm, whichever is less.

Question ID : 630680547730
 Option 1 ID : 6306802141486
 Option 2 ID : 6306802141483
 Option 3 ID : 6306802141484
 Option 4 ID : 6306802141485
 Status : Answered
 Chosen Option : 4

Q.33 If the goal is to design the most economical open channel flow section which minimizes the potential for sediment deposition, what is the ideal cross-sectional shape?

- Ans
- ☐ 1. A wide, shallow rectangular section
 - ☐ 2. A half-circle section
 - ☒ 3. A semicircular section with a wide bottom
 - ☐ 4. A deep, narrow rectangular section

Question ID : 630680547708
 Option 1 ID : 6306802141397
 Option 2 ID : 6306802141398
 Option 3 ID : 6306802141395
 Option 4 ID : 6306802141396
 Status : Answered
 Chosen Option : 3

Q.34 Which of the following compound in Portland cement is responsible for flash set but generates less heat and also has the poorest cementing value?

- Ans
- ☐ 1. Dicalcium silicate
 - ☐ 2. Tricalcium aluminate
 - ☐ 3. Tricalcium silicate
 - ☒ 4. Tetracalciumaluminoferrite

Question ID : 630680547656
 Option 1 ID : 6306802141190
 Option 2 ID : 6306802141189
 Option 3 ID : 6306802141188
 Option 4 ID : 6306802141187
 Status : Answered
 Chosen Option : 2

Q.35 When a beam is under pure bending, the stress distribution across any cross-section of the beam is:

- Ans ☒ 1. Zero at the neutral axis and increases linearly towards the outer fibers.
- ☒ 2. Higher at the neutral axis and decreases towards the top and bottom surfaces.
- ☒ 3. Uniformly distributed across the entire section.
- ☒ 4. Non-existent, as pure bending does not produce stress in the material.

Question ID : 630680547676
 Option 1 ID : 6306802141267
 Option 2 ID : 6306802141268
 Option 3 ID : 6306802141270
 Option 4 ID : 6306802141269
 Status : Answered
 Chosen Option : 1

Q.36 In the context of traffic engineering, which of the following best exemplifies the "Education" component of the three Es?

- Ans ☒ 1. Conducting community seminars about the dangers of running red lights.
- ☒ 2. Implementing speed bumps on a residential road.
- ☒ 3. Increasing the number of traffic police at busy intersections.
- ☒ 4. Installing more visible traffic signs at intersections.

Question ID : 630680547747
 Option 1 ID : 6306802141552
 Option 2 ID : 6306802141554
 Option 3 ID : 6306802141551
 Option 4 ID : 6306802141553
 Status : Answered
 Chosen Option : 1

Q.37 Identify the advantage of negotiated tenders?

- Ans ☒ 1. Contractor may give advice to client during tender negotiations.
- ☒ 2. Cost of work are lower than if completed on a competitive tender basis.
- ☒ 3. Also applicable to all type of contractors with average reputation.
- ☒ 4. Negligible conflict with requirements of legislation or of funding authority.

Question ID : 630680547744
 Option 1 ID : 6306802141539
 Option 2 ID : 6306802141542
 Option 3 ID : 6306802141541
 Option 4 ID : 6306802141540
 Status : Answered
 Chosen Option : 4

Q.38 Which of the following statements correctly describes the forces acting on a gravity dam?
Choose the most appropriate option.

- Ans ☒ 1. The dam primarily relies on its own weight to resist the horizontal thrust of water, with no significant role played by hydrostatic pressure.
- ☒ 2. The stability of the dam is mainly due to its weight, which counteracts the hydrostatic pressure, uplift pressure, and other environmental forces.
- ☒ 3. The dam resists the water pressure solely through arch action, making its weight inconsequential.
- ☒ 4. Gravity dams are designed to float on the reservoir, using buoyant forces to counteract the hydrostatic pressure of the water.

Question ID : 630680547715
Option 1 ID : 6306802141425
Option 2 ID : 6306802141424
Option 3 ID : 6306802141426
Option 4 ID : 6306802141423
Status : Answered
Chosen Option : 2

Q.39 In the context of hardened concrete, what does the Schmidt hammer test (rebound hammer test) measure?

- Ans ☒ 1. Tensile strength
- ☒ 2. Flexural strength
- ☒ 3. Compressive strength
- ☒ 4. Shear strength

Question ID : 630680547691
Option 1 ID : 6306802141329
Option 2 ID : 6306802141327
Option 3 ID : 6306802141328
Option 4 ID : 6306802141330
Status : Answered
Chosen Option : 1

Q.40 During temporary adjustment, centering the Theodolite over the instrument station is one of the

- Ans ☒ 1. elimination of parallax.
- ☒ 2. setting up operation.
- ☒ 3. levelling up operation.
- ☒ 4. adjustment of altitude bubble.

Question ID : 630680547666
Option 1 ID : 6306802141227
Option 2 ID : 6306802141228
Option 3 ID : 6306802141230
Option 4 ID : 6306802141229
Status : Answered
Chosen Option : 2

Q.41 In a laboratory experiment using Darcy's law, if the cross-sectional area of the sample is doubled and the hydraulic gradient is halved, how is the discharge (Q) affected?

- Ans
- ☒ 1. Q is halved
 - ☒ 2. Q is doubled
 - ☒ 3. Q remains the same
 - ☒ 4. Q is quadrupled

Question ID : 630680547700
 Option 1 ID : 6306802141364
 Option 2 ID : 6306802141365
 Option 3 ID : 6306802141363
 Option 4 ID : 6306802141366
 Status : Answered
 Chosen Option : 1

Q.42 In the hierarchy of road networks in India, which of the following correctly represents the descending order of importance and control?

- Ans
- ☒ 1. National Highways, State Highways, Major District Roads, Village Roads
 - ☒ 2. State Highways, National Highways, Village Roads, Major District Roads
 - ☒ 3. Major District Roads, National Highways, State Highways, Village Roads
 - ☒ 4. National Highways, State Highways, Village Roads, Major District Roads

Question ID : 630680547738
 Option 1 ID : 6306802141517
 Option 2 ID : 6306802141518
 Option 3 ID : 6306802141516
 Option 4 ID : 6306802141515
 Status : Answered
 Chosen Option : 1

Q.43 The Zaid cropping season in India falls between which of the following periods?

- Ans
- ☒ 1. After the Kharif season, from October to December
 - ☒ 2. Between Rabi and Kharif seasons, during March to June
 - ☒ 3. Prior to the Rabi season, from September to November
 - ☒ 4. During the monsoon, from July to October

Question ID : 630680547714
 Option 1 ID : 6306802141419
 Option 2 ID : 6306802141421
 Option 3 ID : 6306802141420
 Option 4 ID : 6306802141422
 Status : Answered
 Chosen Option : 4

Q.44 When selecting equipment for installing a deep foundation in a dense urban environment with limited space and strict vibration control requirements, which of the following piling methods is most suitable?

- Ans ☒ 1. Diesel hammer piling
☒ 2. Continuous flight auger piling
☒ 3. Drop hammer piling
☒ 4. Vibratory hammer piling

Question ID : 630680547680
 Option 1 ID : 6306802141284
 Option 2 ID : 6306802141283
 Option 3 ID : 6306802141286
 Option 4 ID : 6306802141285
 Status : Answered
 Chosen Option : 3

Q.45 In the context of IS 456, when designing an RCC flanged beam, why is it necessary to check for the neutral axis position in the flange?

- Ans ☒ 1. To validate that the section behaves as a flanged section rather than a rectangular section.
☒ 2. To ensure that the beam remains uncracked under service loads.
☒ 3. To confirm that the beam section is over-reinforced and hence ductile.
☒ 4. To calculate the exact amount of shear reinforcement needed to ensure a flanged beam.

Question ID : 630680547735
 Option 1 ID : 6306802141504
 Option 2 ID : 6306802141506
 Option 3 ID : 6306802141505
 Option 4 ID : 6306802141503
 Status : Answered
 Chosen Option : 4

Q.46 In a construction project, a team of workers needs to paint walls totalling 2,500 square feet. If one gallon of paint covers approximately 350 square feet, how many gallons of paint are required for the project?

- Ans ☒ 1. 5 gallons
☒ 2. 7 gallons
☒ 3. 7.14 gallons
☒ 4. 8 gallons

Question ID : 630680547746
 Option 1 ID : 6306802141547
 Option 2 ID : 6306802141548
 Option 3 ID : 6306802141549
 Option 4 ID : 6306802141550
 Status : Answered
 Chosen Option : 3

Q.47 Which excavation technique would be most appropriate for constructing a substructure requiring a deep excavation in a location with high water tables and sandy soil?

- Ans ☐ 1. Trench excavation with timber shoring
☒ 2. Hydraulic shoring with sheet piling
☐ 3. Open cut excavation with sloped sides
☐ 4. Caisson construction

Question ID : 630680547681
 Option 1 ID : 6306802141288
 Option 2 ID : 6306802141290
 Option 3 ID : 6306802141287
 Option 4 ID : 6306802141289
 Status : Answered
 Chosen Option : 4

Q.48



The above figure shows the shape of tallies in chain at:

- Ans ☐ 1. 8 m
☐ 2. 2 m
☐ 3. 3 m
☒ 4. 4 m

Question ID : 630680547661
 Option 1 ID : 6306802141210
 Option 2 ID : 6306802141207
 Option 3 ID : 6306802141208
 Option 4 ID : 6306802141209
 Status : Answered
 Chosen Option : 3

Q.49 Which of the following section satisfies the moment of inertia equation given below?

$$I = \frac{\pi D^4}{64}$$

- Ans ☐ 1. A rectangular cross-section about centroidal axis parallel to the base
☐ 2. A circular cross-section about a centroidal axis lying in its plane
☐ 3. An I cross-section
☒ 4. A rectangular cross-section about the base

Question ID : 630680547672
 Option 1 ID : 6306802141252
 Option 2 ID : 6306802141253
 Option 3 ID : 6306802141254
 Option 4 ID : 6306802141251
 Status : Answered
 Chosen Option : 2

Q.50 Which of the following statements best represents an assumption of the limit state of collapse in axial compression according to structural engineering principles?

- Ans ☒ 1. The strain at any point is proportional to its distance from the neutral axis.
- ☐ 2. The stress and strain at any point are independent of its distance from the neutral axis.
- ☐ 3. The stress at any point is proportional to its distance from the neutral axis.
- ☐ 4. The strain at any point is inversely proportional to its distance from the neutral axis.

Question ID : 630680547726
Option 1 ID : 6306802141469
Option 2 ID : 6306802141467
Option 3 ID : 6306802141468
Option 4 ID : 6306802141470
Status : Answered
Chosen Option : 2

Q.51 When utilizing the stadia method of tacheometry for distance measurement, the stadia interval factor (k) plays a crucial role. Assuming the instrument constant (i) is zero, which of the following is true about the stadia interval factor in the context of horizontal distances?

- Ans ☐ 1. The value of k is inversely proportional to the stadia interval (S), hence the formula $D = 1/kS$ is used to calculate the horizontal distance.
- ☒ 2. The horizontal distance (D) to the rod is directly proportional to the stadia interval (S) and can be calculated using the formula $D = kS$.
- ☐ 3. The stadia interval factor (k) has a fixed value that depends on the make and model of the tacheometer being used.
- ☐ 4. In the stadia method, k represents the vertical angle, and it is used to calculate the elevation difference between instrument and staff position.

Question ID : 630680547669
Option 1 ID : 6306802141241
Option 2 ID : 6306802141242
Option 3 ID : 6306802141240
Option 4 ID : 6306802141239
Status : Answered
Chosen Option : 2

Q.52 Which natural ventilation strategy would be most effective for a multi-story building in a temperate climate to promote cross-ventilation and improve indoor air quality?

- Ans ☐ 1. Installing heavy drapes over windows to regulate solar gain and promote airflow.
- ☐ 2. Sealed fenestration to prevent unintended heat loss during cooler seasons.
- ☐ 3. Single-sided ventilation using openings on one side of the building only.
- ☒ 4. Stack ventilation exploiting the natural rise of warm air through atriums or shafts.

Question ID : 630680547682
Option 1 ID : 6306802141294
Option 2 ID : 6306802141291
Option 3 ID : 6306802141292
Option 4 ID : 6306802141293
Status : Answered
Chosen Option : 3

Q.53 Which of the following factors does NOT influence the type and amount of precipitation that falls in a given area?

- Ans
- ☐ 1. Vegetation type
 - ☐ 2. Orographic lift
 - ☒ 3. Earth's axial tilt
 - ☐ 4. Proximity to bodies of water

Question ID : 630680547710
 Option 1 ID : 6306802141406
 Option 2 ID : 6306802141404
 Option 3 ID : 6306802141405
 Option 4 ID : 6306802141403
 Status : Answered
 Chosen Option : 1

Q.54 Which type of estimate is the most accurate and detailed, often used in the later stages of project planning and typically has an accuracy range of -5% to +10%?

- Ans
- ☐ 1. Budgetary Estimate
 - ☐ 2. Order of Magnitude Estimate
 - ☐ 3. Preliminary Estimate
 - ☒ 4. Definitive Estimate

Question ID : 630680547745
 Option 1 ID : 6306802141543
 Option 2 ID : 6306802141544
 Option 3 ID : 6306802141545
 Option 4 ID : 6306802141546
 Status : Answered
 Chosen Option : 4

Q.55 In a plate load test on soil, what does the ultimate bearing capacity of soil signify?

- Ans
- ☐ 1. The maximum stress that the soil can withstand without any lateral movement.
 - ☐ 2. The stress level beyond which there is no further consolidation of soil.
 - ☐ 3. The maximum water content the soil can hold before saturation.
 - ☒ 4. The stress at which the soil undergoes shear failure.

Question ID : 630680547701
 Option 1 ID : 6306802141367
 Option 2 ID : 6306802141368
 Option 3 ID : 6306802141369
 Option 4 ID : 6306802141370
 Status : Answered
 Chosen Option : 4

Q.56 According to Kennedy's theory, what is the critical velocity (V_c) for a canal primarily dependent upon?

- Ans
- ☐ 1. The type of sediment in the canal bed
 - ☐ 2. The wetted perimeter of the canal
 - ☐ 3. The slope of the canal
 - ☒ 4. The full supply depth of the canal

Question ID : 630680547718
Option 1 ID : 6306802141438
Option 2 ID : 6306802141436
Option 3 ID : 6306802141435
Option 4 ID : 6306802141437
Status : Answered
Chosen Option : 4

Q.57 In the context of reinforced concrete design, why is adequate development length important for reinforcing bars?

- Ans
- ☐ 1. To ensure that the bars can be easily bent and installed while maintaining its full tensile strength.
 - ☐ 2. To ensure that the bars are adequately protected against corrosion and other environmental contaminants.
 - ☐ 3. To decrease the weight of the reinforced concrete beam.
 - ☒ 4. To provide sufficient length for the bars to develop their full tensile strength before yielding.

Question ID : 630680547728
Option 1 ID : 6306802141476
Option 2 ID : 6306802141477
Option 3 ID : 6306802141478
Option 4 ID : 6306802141475
Status : Answered
Chosen Option : 4

Q.58 According to the National Building Code (NBC) of India, which of the following is an essential requirement for the design and construction of exits in terms of fire safety and protection?

- Ans
- ☒ 1. All exit staircases must be enclosed with fire-resisting materials of a minimum 2-hour fire rating.
 - ☐ 2. Every exit doorway shall open into an internal corridor open space.
 - ☐ 3. The exits must be designed to accommodate all people within the building in 6 minutes.
 - ☐ 4. Only one means of egress (exit) is necessary for a building under 15 meters in height.

Question ID : 630680547684
Option 1 ID : 6306802141299
Option 2 ID : 6306802141302
Option 3 ID : 6306802141300
Option 4 ID : 6306802141301
Status : Answered
Chosen Option : 1

Q.59 Which of the following correction can be determined from the given equation, where ‘ c ’ is correction per tape length, ‘ L ’ is measured length of line & ‘ l ’ is designated length of the tape?

$$\frac{L \cdot c}{l}$$

- Ans
- ☒ 1. Correction for absolute length
- ☐ 2. Correction for pull or tension
- ☐ 3. Correction to measurement in vertical plane
- ☐ 4. Correction for slope

Question ID : 630680547663
Option 1 ID : 6306802141217
Option 2 ID : 6306802141215
Option 3 ID : 6306802141218
Option 4 ID : 6306802141216
Status : Answered
Chosen Option : 1

Q.60 Which principle is the operation of a U-tube manometer primarily based on?

- Ans
- ☐ 1. Venturi effect
- ☐ 2. Pascal's law
- ☒ 3. Hydrostatic equilibrium
- ☐ 4. Bernoulli's principle

Question ID : 630680547702
Option 1 ID : 6306802141374
Option 2 ID : 6306802141372
Option 3 ID : 6306802141373
Option 4 ID : 6306802141371
Status : Answered
Chosen Option : 3

Q.61 Which of the following metals is most likely to be used in construction for its corrosion resistance in a coastal environment?

- Ans
- ☐ 1. Iron
- ☒ 2. Galvanized Steel
- ☐ 3. Carbon Steel
- ☐ 4. Copper

Question ID : 630680547657
Option 1 ID : 6306802141192
Option 2 ID : 6306802141194
Option 3 ID : 6306802141193
Option 4 ID : 6306802141191
Status : Answered
Chosen Option : 3

Q.62 In the context of RCC column design as per IS 456, which of the following factors most significantly influences the effective length of a column in a frame that is unbraced in one direction and braced in the other?

- Ans ☒ 1. The grade of concrete used in the column.
- ☒ 2. The relative stiffness of the beam and column.
- ☒ 3. The length of the column.
- ☒ 4. The cross-sectional dimensions of the column.

Question ID : 630680547731
Option 1 ID : 6306802141487
Option 2 ID : 6306802141488
Option 3 ID : 6306802141490
Option 4 ID : 6306802141489
Status : Answered
Chosen Option : 3

Q.63 Identify the spillway which is classified according to the most prominent feature?

- Ans ☒ 1. Tunnel / Culvert spillway
- ☒ 2. Side channel spillway
- ☒ 3. Fuse plug spillway
- ☒ 4. Orifice of sluice spillway

Question ID : 630680547719
Option 1 ID : 6306802141442
Option 2 ID : 6306802141440
Option 3 ID : 6306802141439
Option 4 ID : 6306802141441
Status : Answered
Chosen Option : 2

Q.64 In the context of underwater concreting, what is the primary purpose of employing a tremie pipe during placement?

- Ans ☒ 1. To separate the aggregate from the cement paste
- ☒ 2. To reduce washout risk by delivering concrete to the final location.
- ☒ 3. To aerate the concrete to make it lighter in weight
- ☒ 4. To increase the rate of concrete hardening

Question ID : 630680547660
Option 1 ID : 6306802141205
Option 2 ID : 6306802141203
Option 3 ID : 6306802141206
Option 4 ID : 6306802141204
Status : Answered
Chosen Option : 2

Q.65 A simply supported beam AB of length L is subjected to a uniformly distributed load w (force per unit length) over its entire span. What is the magnitude of the shear force at a section located at a distance $\frac{L}{4}$ from the left support?

Ans

- ☒ 1. $\frac{wL}{8}$
- ☒ 2. $\frac{3wL}{4}$
- ☒ 3. $\frac{wL}{4}$
- ☒ 4. $\frac{wL}{2}$

Question ID : 630680547678
 Option 1 ID : 6306802141276
 Option 2 ID : 6306802141275
 Option 3 ID : 6306802141277
 Option 4 ID : 6306802141278
 Status : Answered
 Chosen Option : 3

Q.66 A total station integrates several functionalities to perform various surveying tasks. Which of the following features is NOT typically integrated into a total station's design?

Ans

- ☒ 1. Doppler radar for atmospheric compensation.
- ☒ 2. Theodolite for measuring horizontal and vertical angles.
- ☒ 3. EDM device for measuring distances.
- ☒ 4. GPS receiver for real-time kinematic (RTK) surveying.

Question ID : 630680547670
 Option 1 ID : 6306802141244
 Option 2 ID : 6306802141245
 Option 3 ID : 6306802141246
 Option 4 ID : 6306802141243
 Status : Answered
 Chosen Option : 1

Q.67 A green building in India is designed to use solar panels for its energy needs. If the building requires 10,000 kWh of energy per year and each solar panel produces 250 kWh per year, how many solar panels are required to meet the building's annual energy requirement?

Ans

- ☒ 1. 20 panels
- ☒ 2. 40 panels
- ☒ 3. 50 panels
- ☒ 4. 100 panels

Question ID : 630680547751
 Option 1 ID : 6306802141567
 Option 2 ID : 6306802141568
 Option 3 ID : 6306802141569
 Option 4 ID : 6306802141570
 Status : Answered
 Chosen Option : 2

Q.68 What is the expected outcome on the accuracy of a compass survey if the local magnetic declination has not been accounted for during the process?

- Ans ☒ 1. All bearings will be consistently underestimated by a fixed value regardless of the angle of declination.
- ☒ 2. There will be a systematic deviation in the bearings recorded, proportional to the angle of declination.
- ☒ 3. The survey will be unaffected as the compass automatically adjusts for any declination.
- ☒ 4. The accuracy of the survey will improve due to the increased magnetic activity.

Question ID : 630680547665
Option 1 ID : 6306802141225
Option 2 ID : 6306802141226
Option 3 ID : 6306802141224
Option 4 ID : 6306802141223
Status : Answered
Chosen Option : 2

Q.69 When setting a foundation for a sub-structure, what is the primary reason for allowing concrete to cure properly before proceeding with the construction of the superstructure?

- Ans ☒ 1. To ensure that the construction workers have ample time to prepare the scaffolding.
- ☒ 2. To allow time for the site inspection team to prepare their reports.
- ☒ 3. To allow for modifications in the design of the superstructure if necessary.
- ☒ 4. To achieve the necessary strength to support the loads from the superstructure.

Question ID : 630680547679
Option 1 ID : 6306802141282
Option 2 ID : 6306802141281
Option 3 ID : 6306802141279
Option 4 ID : 6306802141280
Status : Answered
Chosen Option : 4

Q.70 Consider a short column with a rectangular cross-section subjected to an axial load P causing direct stress, as well as a transverse load causing bending about one of its principal axes. If the direct stress due to the axial load is ' σ_d ' and the bending stress at the extreme fiber due to the transverse load is ' σ_b ', which of the following represents the combined stress at the extreme fiber where bending stress is tensile?

- Ans ☒ 1. $\sigma_{combined} = \sigma_d * \sigma_b$
- ☒ 2. $\sigma_{combined} = \sigma_d - \sigma_b$
- ☒ 3. $\sigma_{combined} = \sigma_b / \sigma_d$
- ☒ 4. $\sigma_{combined} = \sigma_d + \sigma_b$

Question ID : 630680547677
Option 1 ID : 6306802141272
Option 2 ID : 6306802141271
Option 3 ID : 6306802141273
Option 4 ID : 6306802141274
Status : Answered
Chosen Option : 4

Q.71 What does a triangular road sign with a red border and a black "sharp left turn" mark signify in India?

- Ans ☒ 1. Caution Warning
☒ 2. No Entry
☒ 3. Pedestrian Crossing
☒ 4. Speed Limit

Question ID : 630680547749
 Option 1 ID : 6306802141562
 Option 2 ID : 6306802141561
 Option 3 ID : 6306802141559
 Option 4 ID : 6306802141560
 Status : Answered
 Chosen Option : 1

Q.72 Evapotranspiration rates are highest under which set of conditions?

- Ans ☒ 1. High temperature, high humidity, strong winds, and saturated soil
☒ 2. Low temperature, high humidity, strong winds, and dry soil
☒ 3. High temperature, low humidity, calm winds, and saturated soil
☒ 4. High temperature, low humidity, strong winds, and dry soil

Question ID : 630680547711
 Option 1 ID : 6306802141410
 Option 2 ID : 6306802141407
 Option 3 ID : 6306802141408
 Option 4 ID : 6306802141409
 Status : Answered
 Chosen Option : 3

Q.73 In the design of members subjected to combined axial force and bending moment, what should be the value constant α_1 considered as per IS 800 for I & channel section?

- Ans ☒ 1. $1.73 + 1.8n^3$
☒ 2. 2
☒ 3. $5n \geq 1$
☒ 4. 0

Question ID : 630680547729
 Option 1 ID : 6306802141481
 Option 2 ID : 6306802141479
 Option 3 ID : 6306802141482
 Option 4 ID : 6306802141480
 Status : Answered
 Chosen Option : 3

Q.74 A construction project manager wants to ensure that the concrete used in the structure meets a specified strength requirement with a high level of confidence. The project utilizes a control chart to monitor the strength of the concrete. Which of the following actions should be taken if consecutive points on the control chart fall outside the control limits?

- Ans ☒ 1. Perform recalibration of the testing equipment without halting the production process.
- ☒ 2. Continue production without any changes, considering these as random variations.
- ☒ 3. Stop production immediately and investigate the potential causes of variation.
- ☒ 4. Increase the control limits to include the new data points and continue monitoring.

Question ID : 630680547692
Option 1 ID : 6306802141333
Option 2 ID : 6306802141332
Option 3 ID : 6306802141331
Option 4 ID : 6306802141334
Status : Answered
Chosen Option : 1

Q.75 According to IS 456, what is the minimum cover required for reinforcement in a concrete beam exposed to a mild environmental condition?

- Ans ☒ 1. 30 mm
- ☒ 2. 40 mm
- ☒ 3. 25 mm
- ☒ 4. 20 mm

Question ID : 630680547732
Option 1 ID : 6306802141493
Option 2 ID : 6306802141494
Option 3 ID : 6306802141492
Option 4 ID : 6306802141491
Status : Answered
Chosen Option : 4

Q.76 In which of the following phase of temporary adjustments for different levels, different steps for adjustments are same for dumpy and wye level but differ for tilting level?

- Ans ☒ 1. Leveling up.
- ☒ 2. Focusing the eyepiece and objective lens.
- ☒ 3. Setting up.
- ☒ 4. Elimination of parallax.

Question ID : 630680547667
Option 1 ID : 6306802141233
Option 2 ID : 6306802141234
Option 3 ID : 6306802141232
Option 4 ID : 6306802141231
Status : Answered
Chosen Option : 3

Q.77 In India, what do the continuous white lines painted on the roads indicate?

- Ans ☒ 1. Prohibition against changing lanes
☒ 2. Free movement for changing lanes
☒ 3. Pedestrian crossing
☒ 4. Lane divider for traffic moving in the same direction

Question ID : 630680547750
 Option 1 ID : 6306802141565
 Option 2 ID : 6306802141564
 Option 3 ID : 6306802141563
 Option 4 ID : 6306802141566
 Status : Answered
 Chosen Option : 4

Q.78 According to IRC, the minimum vertical clearance on urban roads should be:

- Ans ☒ 1. 7 m
☒ 2. 5.5 m
☒ 3. 5 m
☒ 4. 4.5 m

Question ID : 630680547742
 Option 1 ID : 6306802141534
 Option 2 ID : 6306802141533
 Option 3 ID : 6306802141532
 Option 4 ID : 6306802141531
 Status : Answered
 Chosen Option : 1

Q.79 High Strength Concrete (Grade M70 and above) has several distinguishing properties that separate it from normal strength concrete. Which of the following is NOT a characteristic of High Strength Concrete?

- Ans ☒ 1. High durability
☒ 2. Reduced permeability
☒ 3. Increased shrinkage
☒ 4. Lower cement content

Question ID : 630680547686
 Option 1 ID : 6306802141307
 Option 2 ID : 6306802141308
 Option 3 ID : 6306802141310
 Option 4 ID : 6306802141309
 Status : Answered
 Chosen Option : 4

Q.80 What is defined as the ratio of the wetted area to its wetted perimeter?

- Ans ☒ 1. Hydraulic radius
☒ 2. Hydraulic depth
☒ 3. Depth of flow
☒ 4. Top width

Question ID : 630680547707
 Option 1 ID : 6306802141392
 Option 2 ID : 6306802141391
 Option 3 ID : 6306802141394
 Option 4 ID : 6306802141393
 Status : Answered
 Chosen Option : 1

Q.81 If a packing case is designed to hold 5-meter lengths of chain, how many chains can it accommodate according to IS 1492:1970?

- Ans ☒ 1. 10 chains
☒ 2. 20 chains
☒ 3. 5 chains
☒ 4. 15 chains

Question ID : 630680547662
 Option 1 ID : 6306802141211
 Option 2 ID : 6306802141212
 Option 3 ID : 6306802141213
 Option 4 ID : 6306802141214
 Status : Answered
 Chosen Option : 1

Q.82 What is a major advantage of using timber as a construction material?

- Ans ☒ 1. It is the cheapest construction material available.
☒ 2. It has excellent thermal insulation properties.
☒ 3. It is the most fire-resistant material.
☒ 4. It can be used without any treatment or finishing.

Question ID : 630680547654
 Option 1 ID : 6306802141181
 Option 2 ID : 6306802141180
 Option 3 ID : 6306802141179
 Option 4 ID : 6306802141182
 Status : Answered
 Chosen Option : 2

Q.83 Which of the following hypothesis satisfies the attraction between two closely parallel moving boats?

- Ans
- ☒ 1. Macaulay's equation
 - ☒ 2. Euler's equation
 - ☒ 3. Bernoulli's equation
 - ☒ 4. Momentum equation

Question ID : 630680547705
 Option 1 ID : 6306802141384
 Option 2 ID : 6306802141385
 Option 3 ID : 6306802141386
 Option 4 ID : 6306802141383
 Status : Answered
 Chosen Option : 2

Q.84 Which chemical admixture is primarily used in concrete to decrease the setting time in cold weather conditions?

- Ans
- ☒ 1. Accelerators
 - ☒ 2. Air-entraining agents
 - ☒ 3. Retarders
 - ☒ 4. Water reducers

Question ID : 630680547693
 Option 1 ID : 6306802141338
 Option 2 ID : 6306802141337
 Option 3 ID : 6306802141336
 Option 4 ID : 6306802141335
 Status : Answered
 Chosen Option : 1

Q.85 At what point within a submerged body in a fluid at rest will the pressure be greatest?

- Ans
- ☒ 1. At the bottommost point of the submerged body
 - ☒ 2. At the centroid of the submerged body
 - ☒ 3. The pressure is uniform throughout the submerged body
 - ☒ 4. At the topmost point of the submerged body

Question ID : 630680547703
 Option 1 ID : 6306802141376
 Option 2 ID : 6306802141375
 Option 3 ID : 6306802141378
 Option 4 ID : 6306802141377
 Status : Answered
 Chosen Option : 1

Q.86 Which of the following characteristic is high for flexible pavements in relation to rigid pavements?

- Ans ☒ 1. Maintenance cost
☒ 2. Life span
☒ 3. Flexural strength
☒ 4. Force of friction

Question ID : 630680547741
 Option 1 ID : 6306802141530
 Option 2 ID : 6306802141529
 Option 3 ID : 6306802141527
 Option 4 ID : 6306802141528
 Status : Answered
 Chosen Option : 3

Q.87 In the setting out of simple curves, which method predominantly relies on the use of a chain or tape to measure lengths along the tangent and the curve without the necessity of establishing intermediate points through angular measurements?

- Ans ☒ 1. Rankine's method of tangential angles
☒ 2. Linear method
☒ 3. Offset from chord method
☒ 4. Angular method using a theodolite

Question ID : 630680547671
 Option 1 ID : 6306802141248
 Option 2 ID : 6306802141249
 Option 3 ID : 6306802141247
 Option 4 ID : 6306802141250
 Status : Answered
 Chosen Option : 3

Q.88 Which of the following must be perpendicular to the vertical axis of the instrument, in context of permanent adjustment of theodolite?

- Ans ☒ 1. Axis of plate level
☒ 2. Axis of the altitude level
☒ 3. Line of collimation
☒ 4. Axis of the plumb line

Question ID : 630680547668
 Option 1 ID : 6306802141235
 Option 2 ID : 6306802141236
 Option 3 ID : 6306802141237
 Option 4 ID : 6306802141238
 Status : Answered
 Chosen Option : 3

Q.89 Which of the following compaction methods is most effective for compacting cohesive soils in layers on a construction site?

- Ans ☒ 1. Sheep's foot roller
☒ 2. Vibratory plate compactor
☒ 3. Pneumatic tire roller
☒ 4. Smooth wheel roller

Question ID : 630680547699
 Option 1 ID : 6306802141360
 Option 2 ID : 6306802141361
 Option 3 ID : 6306802141359
 Option 4 ID : 6306802141362
 Status : Answered
 Chosen Option : 1

Q.90 Which of the following equation is integrated to get Bernoulli's equation?

- Ans ☒ 1. $-\rho g dA dZ$
☒ 2. $\frac{P}{\rho g} + \frac{gZ}{g} + \frac{mv^2}{2} = 0$
☒ 3. $\frac{P}{\rho g} + \frac{gZ}{g} + \frac{v^2}{2g} = \text{constant}$
☒ 4. $\frac{dp}{\rho} + g dz + v dv = 0$

Question ID : 630680547704
 Option 1 ID : 6306802141381
 Option 2 ID : 6306802141382
 Option 3 ID : 6306802141380
 Option 4 ID : 6306802141379
 Status : Answered
 Chosen Option : 4

Q.91 How should lug angles be disposed when connecting the outstanding leg of a channel-shaped member according to standard engineering practices?

- Ans ☒ 1. Lug angles should, as far as possible, be disposed symmetrically with respect to the section of the channel-shaped member.
☒ 2. Lug angles are not required for connecting the outstanding leg of a channel-shaped member.
☒ 3. Lug angles must be disposed asymmetrically with respect to the section of the member.
☒ 4. The disposition of lug angles is solely based on the size of the channel-shaped member and not on its section.

Question ID : 630680547737
 Option 1 ID : 6306802141514
 Option 2 ID : 6306802141512
 Option 3 ID : 6306802141511
 Option 4 ID : 6306802141513
 Status : Answered
 Chosen Option : 3

Q.92 In the context of the National Building Code (NBC) for fire and safety, which of the following statements accurately reflects the requirements for the provision of fire lifts in a multi-storied building?

- Ans
- ☐ 1. Fire lifts are not required in residential buildings with a height less than 15 meters.
 - ☐ 2. All floors above ground level must be served by at least two fire lifts for evacuation purposes.
 - ☐ 3. If more than 1 lifts are installed the partition wall should be of minimum 60 minutes fire resistance.
 - ☒ 4. Fire lifts must have a minimum carrying capacity of 8 persons or 545 kg.

Question ID : 630680547688
Option 1 ID : 6306802141318
Option 2 ID : 6306802141317
Option 3 ID : 6306802141316
Option 4 ID : 6306802141315
Status : Not Answered
Chosen Option : --

Q.93 Identify the recommended radii of horizontal curve beyond which super elevation is not required for camber of 2 % and for the design speed 40 km/h?

- Ans
- ☐ 1. 420 m
 - ☐ 2. 450 m
 - ☐ 3. 550 m
 - ☒ 4. 350 m

Question ID : 630680547740
Option 1 ID : 6306802141524
Option 2 ID : 6306802141525
Option 3 ID : 6306802141526
Option 4 ID : 6306802141523
Status : Not Answered
Chosen Option : --

Q.94 Which compaction method is most effective for achieving desired soil density in deep layers of soil for the construction of embankments and foundations?

- Ans
- ☐ 1. Rolling Compaction
 - ☐ 2. Kneading Compaction
 - ☐ 3. Vibroflotation
 - ☒ 4. Dynamic Compaction

Question ID : 630680547698
Option 1 ID : 6306802141355
Option 2 ID : 6306802141356
Option 3 ID : 6306802141358
Option 4 ID : 6306802141357
Status : Answered
Chosen Option : 4

Q.95 Which of the following conditions is most likely to cause cavitation in a centrifugal pump?

- Ans
- ☒ 1. Low pump speed
 - ☒ 2. High fluid viscosity
 - ☒ 3. High suction lift
 - ☒ 4. Low discharge pressure

Question ID : 630680547709
 Option 1 ID : 6306802141399
 Option 2 ID : 6306802141400
 Option 3 ID : 6306802141402
 Option 4 ID : 6306802141401
 Status : Answered
 Chosen Option : 3

Q.96 Which of the following test is done to determine the fineness of cement?

- Ans
- ☒ 1. Conduction calorimeter
 - ☒ 2. Wagner turbidimeter test
 - ☒ 3. Gillmore needle or vicat's apparatus
 - ☒ 4. Blaine water-permeability test

Question ID : 630680547689
 Option 1 ID : 6306802141320
 Option 2 ID : 6306802141322
 Option 3 ID : 6306802141319
 Option 4 ID : 6306802141321
 Status : Answered
 Chosen Option : 4

Q.97 Which of the following additives is typically included in paint to increase its shelf life and stability but may raise environmental or health concerns if released into the environment?

- Ans
- ☒ 1. Solvents
 - ☒ 2. Plasticizers
 - ☒ 3. Pigments
 - ☒ 4. Bio-accumulative agents

Question ID : 630680547658
 Option 1 ID : 6306802141198
 Option 2 ID : 6306802141195
 Option 3 ID : 6306802141197
 Option 4 ID : 6306802141196
 Status : Not Answered
 Chosen Option : --

Q.98 What should be the camber for carriageways in heavy rainfall area for thin bituminous surfacing?

- Ans
- ☐ 1. 2.0 to 2.5 % (1 in 50 to 1 in 40)
 - ☐ 2. 1.7 to 2 % (1 in 60 to 1 in 50)
 - ☒ 3. 2.5 % (1 in 40)
 - ☐ 4. 2 % (1 in 50)

Question ID : 630680547739
 Option 1 ID : 6306802141522
 Option 2 ID : 6306802141519
 Option 3 ID : 6306802141520
 Option 4 ID : 6306802141521
 Status : Not Answered
 Chosen Option : --

Q.99 In the moment distribution method, what does the distribution factor (DF) at a joint depend on?

- Ans
- ☐ 1. The fixed-end moments of the members
 - ☐ 2. The length of the members framing into the joint
 - ☐ 3. The external load applied on the members
 - ☒ 4. The relative stiffness of the members framing into the joint

Question ID : 630680547722
 Option 1 ID : 6306802141452
 Option 2 ID : 6306802141454
 Option 3 ID : 6306802141451
 Option 4 ID : 6306802141453
 Status : Not Answered
 Chosen Option : --

Q.100 The flexural torsional buckling strength of single angle loaded in compression through one of its legs may be evaluated using the equivalent slenderness ratio. This slenderness ratio does not depend upon:

- Ans
- ☐ 1. Yield stress ratio
 - ☐ 2. width of the two legs of the angle
 - ☐ 3. Radius of gyration about the minor axis
 - ☒ 4. Edge to edge length of the supporting member

Question ID : 630680547727
 Option 1 ID : 6306802141473
 Option 2 ID : 6306802141474
 Option 3 ID : 6306802141471
 Option 4 ID : 6306802141472
 Status : Not Answered
 Chosen Option : --

Q.1 Income of A is 30% more than that of B, and the savings of A and B are in the ratio of 3 : 2. If each of them spent ₹3,500, find the sum of incomes of A and B.

- Ans
- ☒ 1. ₹20,300
 - ☒ 2. ₹20,200
 - ☒ 3. ₹20,000
 - ☒ 4. ₹20,125

Question ID : 630680547765
 Option 1 ID : 6306802141624
 Option 2 ID : 6306802141623
 Option 3 ID : 6306802141626
 Option 4 ID : 6306802141625
 Status : Not Answered
 Chosen Option : --

Q.2 Three successive discounts of 5%, 15% and 20% equivalent to a single discount is:

- Ans
- ☒ 1. 66.4%
 - ☒ 2. 44.6%
 - ☒ 3. 64.6%
 - ☒ 4. 46.6%

Question ID : 630680547767
 Option 1 ID : 6306802141632
 Option 2 ID : 6306802141631
 Option 3 ID : 6306802141634
 Option 4 ID : 6306802141633
 Status : Not Answered
 Chosen Option : --

Q.3 Nine boxes numbered 1 to 9 are kept one above other, but not in the same order. More than three boxes are kept below Box-3. Less than three boxes are kept above Box-2. Box-3 is kept immediately above Box-1. Only three boxes are kept between Box-7 and Box-3. Box-6 is kept at the bottom. Only two boxes are kept between Box-8 and Box-3. Box-4 is kept immediately above Box-2. Only two boxes are kept between Box-1 and Box-6. Box-5 is kept at some place below Box-3. Which box is kept immediately below Box-9?

- Ans
- ☒ 1. Box-3
 - ☒ 2. Box-7
 - ☒ 3. Box-5
 - ☒ 4. Box-8

Question ID : 630680547754
 Option 1 ID : 6306802141581
 Option 2 ID : 6306802141579
 Option 3 ID : 6306802141580
 Option 4 ID : 6306802141582
 Status : Not Answered
 Chosen Option : --

Q.4 A circular wire of radius 35 cm is bent in the form of a rectangle whose sides are in the ratio 3 : 2. The smaller side of the rectangle is ____ cm.

- Ans ☒ 1. 68
☒ 2. 48
☒ 3. 44
☒ 4. 66

Question ID : 630680547771
 Option 1 ID : 6306802141647
 Option 2 ID : 6306802141648
 Option 3 ID : 6306802141650
 Option 4 ID : 6306802141649
 Status : Answered
 Chosen Option : 2

Q.5 Eight students named P, Q, R, S, T, U, V and W are sitting around a square table facing the centre. Four students are sitting at the vertices whereas the remaining four students are sitting at the middle of the four sides of the table. Q is third to the left of P. R and V are sitting on the opposite sides. T and S are sitting on the diagonally opposite vertices. V is second to the right of U. W is third to the right of V. Q is to the immediate left of V. P is to the immediate right of S. Who is sitting third to the left of W?

- Ans ☒ 1. Q
☒ 2. V
☒ 3. U
☒ 4. S

Question ID : 630680547753
 Option 1 ID : 6306802141578
 Option 2 ID : 6306802141576
 Option 3 ID : 6306802141577
 Option 4 ID : 6306802141575
 Status : Answered
 Chosen Option : 2

Q.6 In a row, 65 boys are sitting facing north direction. Raghav is at the 10th position when counted from the left end. Pulkit is sitting at the extreme right end. Only 20 boys are sitting between Jugal and Sarthak. Sarthak is at the 17th position when counted from the right end. How many boys are sitting between Raghav and Jugal?

- Ans ☒ 1. 16
☒ 2. 18
☒ 3. 15
☒ 4. 17

Question ID : 630680547755
 Option 1 ID : 6306802141584
 Option 2 ID : 6306802141586
 Option 3 ID : 6306802141583
 Option 4 ID : 6306802141585
 Status : Not Answered
 Chosen Option : --

Q.7 A man rows a distance of 48 km and back in 14 hours. He finds that he can row 4 km along the stream in the same time as 3 km against the stream. The speed of the stream is:

- Ans ☒ 1. 1 kmph
☒ 2. $\frac{1}{3}$ kmph
☒ 3. $\frac{1}{2}$ kmph
☒ 4. $\frac{1}{4}$ kmph

Question ID : 630680547770
 Option 1 ID : 6306802141644
 Option 2 ID : 6306802141645
 Option 3 ID : 6306802141643
 Option 4 ID : 6306802141646
 Status : Not Answered
 Chosen Option : --

Q.8 A cube of metal, with each edge of length 6 cm, weighs 180 kg. What is the length of each edge of a cube (in cm) of the same metal that weighs 4860 kg?

- Ans ☒ 1. 18
☒ 2. 24
☒ 3. 16
☒ 4. 12

Question ID : 630680547772
 Option 1 ID : 6306802141653
 Option 2 ID : 6306802141651
 Option 3 ID : 6306802141654
 Option 4 ID : 6306802141652
 Status : Not Answered
 Chosen Option : --

Q.9 Four letter-cluster pairs have been given out of which three are alike in some manner and one is different. Select the one that is different.

- Ans ☒ 1. BASK : CCVO
☒ 2. MALT : NCOX
☒ 3. RING : SKQL
☒ 4. DONT : EQQX

Question ID : 630680547760
 Option 1 ID : 6306802141603
 Option 2 ID : 6306802141604
 Option 3 ID : 6306802141606
 Option 4 ID : 6306802141605
 Status : Answered
 Chosen Option : 3

Q.10 Let x be the least number of 5-digits that when divided by 12, 16, 35 and 42, the remainders are 5, 9, 28 and 35, respectively. What is the sum of the digits of x ?

- Ans**
- ☒ 1. 14
 - ☒ 2. 13
 - ☒ 3. 11
 - ☒ 4. 12

Question ID : **630680547764**
 Option 1 ID : **6306802141622**
 Option 2 ID : **6306802141621**
 Option 3 ID : **6306802141619**
 Option 4 ID : **6306802141620**
 Status : **Not Answered**
 Chosen Option : --

Q.11 Study the given table and answer the question that follows.
 The table shows the number of employees in five departments in four different organisations named K, L, M and N.

Colleges	Marketing	Operations	HR	Finance	Production
K	550	450	105	25	1220
L	700	400	115	55	1220
M	650	550	195	60	1050
N	800	520	125	45	1010

The total number of employees working in HR in all four organisations is approximately what percentage of the total number of employees working in Production in all the four organisations?

- Ans**
- ☒ 1. 12%
 - ☒ 2. 14%
 - ☒ 3. 11%
 - ☒ 4. 13.5%

Question ID : **630680547761**
 Option 1 ID : **6306802141608**
 Option 2 ID : **6306802141610**
 Option 3 ID : **6306802141607**
 Option 4 ID : **6306802141609**
 Status : **Not Answered**
 Chosen Option : --

Q.12 Study the given statements and conclusions carefully. 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:

No bag is a dustbin.

All machines are dustbins.

All tables are machines.

Conclusions:

I. No table is a bag.

II. Some dustbins are tables.

III. No bag is a machine.

- Ans
- ☒ 1. Only I and II follow
 - ☒ 2. Only II and III follow
 - ☒ 3. All of I, II and III follow
 - ☒ 4. Only I and III follow

Question ID : 630680547757

Option 1 ID : 6306802141593

Option 2 ID : 6306802141592

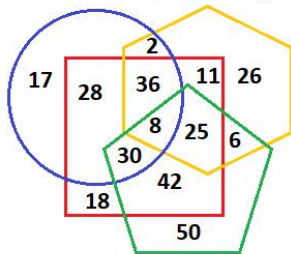
Option 3 ID : 6306802141594

Option 4 ID : 6306802141591

Status : Answered

Chosen Option : 3

Q.13 In the diagram given below, the pentagon represents farmers, the square represents women, the hexagon represents literates and the circle represents painters. The numbers represent the number of persons belonging to that category.



How many women farmers are literates, but are NOT painters?

- Ans
- ☒ 1. 11
 - ☒ 2. 6
 - ☒ 3. 42
 - ☒ 4. 25

Question ID : 630680547758

Option 1 ID : 6306802141596

Option 2 ID : 6306802141595

Option 3 ID : 6306802141598

Option 4 ID : 6306802141597

Status : Answered

Chosen Option : 4

Q.14 Two men can complete a piece of work in 6 days. Two women can complete the same work in 9 days, whereas 3 children can complete the same piece of work in 8 days. 3 women and 4 children worked together for 1 day. If only men were to finish the remaining work in 1 day, how many men would be required?

Ans ☒ 1. 8

☒ 2. 6

☒ 3. 9

☒ 4. 7

Question ID : 630680547768
Option 1 ID : 6306802141636
Option 2 ID : 6306802141635
Option 3 ID : 6306802141638
Option 4 ID : 6306802141637
Status : Not Answered
Chosen Option : --

Q.15 Select the option that is related to the fifth letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster and the fourth letter-cluster is related to the third letter-cluster.

PICTURE : FLSHUXW :: SECTION : FHVQRLW :: DUBIOUS : ?

Ans ☒ 1. EXGVXRL

☒ 2. GEKVYQL

☒ 3. LHXVXRE

☒ 4. EYGUXRL

Question ID : 630680547759
Option 1 ID : 6306802141599
Option 2 ID : 6306802141601
Option 3 ID : 6306802141600
Option 4 ID : 6306802141602
Status : Not Answered
Chosen Option : --

Q.16 If $\sqrt{2025} \times \sqrt{256} + \sqrt{400} \times x = 34 \times 40$, then the value of x is:

Ans ☒ 1. 36

☒ 2. 28

☒ 3. 32

☒ 4. 22

Question ID : 630680547763
Option 1 ID : 6306802141618
Option 2 ID : 6306802141616
Option 3 ID : 6306802141617
Option 4 ID : 6306802141615
Status : Answered
Chosen Option : 3

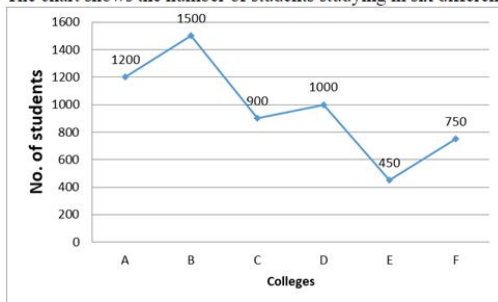
Q.17 If A & B means 'A is the father of B',
A = B means 'A is the husband of B',
A % B means 'A is the sister of B',
A # B means 'A is the mother of B',
then which of the following expression means 'T is the paternal grandfather of R'?

- Ans ☒ 1. E % T & G = R # N
☒ 2. E % T & G = N # R
☒ 3. E % T & G = N % R
☒ 4. T % E & G = N # R

Question ID : 630680547756
Option 1 ID : 6306802141589
Option 2 ID : 6306802141588
Option 3 ID : 6306802141590
Option 4 ID : 6306802141587
Status : Answered
Chosen Option : 2

Q.18 Study the given line-graph and answer the question that follows.

The chart shows the number of students studying in six different Colleges named A, B, C, D, E and F.



If 100 students leave College-A and take admission in College-C, then what will be the ratio of the total students in College-A and College-B : total students in College-C and College-D?

- Ans ☒ 1. 13 : 6
☒ 2. 13 : 7
☒ 3. 11 : 7
☒ 4. 13 : 10

Question ID : 630680547762
Option 1 ID : 6306802141614
Option 2 ID : 6306802141612
Option 3 ID : 6306802141611
Option 4 ID : 6306802141613
Status : Not Answered
Chosen Option : --

Q.19 A sold two articles at 12% profit to B. B sold one of the articles at 20% profit and the other at a loss of 8%, and the total profit earned by B was ₹50.40. Find the cost price per article to A?

- Ans
- ☒ 1. ₹485
 - ☒ 2. ₹315
 - ☒ 3. ₹375
 - ☒ 4. ₹435

Question ID : 630680547766
 Option 1 ID : 6306802141630
 Option 2 ID : 6306802141627
 Option 3 ID : 6306802141628
 Option 4 ID : 6306802141629
 Status : Not Answered
 Chosen Option : --

Q.20 A man is standing on a railway bridge that is 120 m long. He finds that a train crosses the bridge in 10 sec but crosses him in 6 sec. Find the length of the train and its speed, respectively?

- Ans
- ☒ 1. 119 m and 107 kmph
 - ☒ 2. 180 m and 107 kmph
 - ☒ 3. 180 m and 108 kmph
 - ☒ 4. 119 m and 108 kmph

Question ID : 630680547769
 Option 1 ID : 6306802141642
 Option 2 ID : 6306802141641
 Option 3 ID : 6306802141639
 Option 4 ID : 6306802141640
 Status : Not Answered
 Chosen Option : --

Section : General Knowledge

Q.1 To increase an awareness among the people of India concerning Fundamental Duties, the Verma Committee had identified a few existing acts by which a proper implementation of such duties could be accomplished. Which of the following Acts is NOT one of them?

- Ans
- ☒ 1. The Scheduled Castes and the Scheduled Tribes (Prevention of Atrocities) Act, 1989
 - ☒ 2. The Protection of Civil Rights Act, 1955
 - ☒ 3. The Unlawful Activities Protection Act, 1967
 - ☒ 4. The Representation of People Act, 1951

Question ID : 630680547779
 Option 1 ID : 6306802141682
 Option 2 ID : 6306802141681
 Option 3 ID : 6306802141680
 Option 4 ID : 6306802141679
 Status : Answered
 Chosen Option : 1

Q.2 Where is Nongkhnum River Island located?

- Ans
- ☐ 1. Uttaranchal
 - ☐ 2. Ladakh
 - ☒ 3. Meghalaya
 - ☐ 4. Sikkim

Question ID : 630680547777
 Option 1 ID : 6306802141673
 Option 2 ID : 6306802141671
 Option 3 ID : 6306802141672
 Option 4 ID : 6306802141674
 Status : Answered
 Chosen Option : 2

Q.3 Who was the first Indian to become a permanent Chief Justice of the Calcutta High Court?

- Ans
- ☐ 1. Justice Dwarka Nath Mitter
 - ☐ 2. Sir Chunder Madhab Ghosh
 - ☐ 3. Justice Ramesh Chandra Mitter
 - ☒ 4. Justice PB Chakravarti

Question ID : 630680547782
 Option 1 ID : 6306802141691
 Option 2 ID : 6306802141693
 Option 3 ID : 6306802141692
 Option 4 ID : 6306802141694
 Status : Answered
 Chosen Option : 4

Q.4 Who among the following became the first woman to be inducted as a life member of the Servants of India Society?

- Ans
- ☒ 1. Godavari Parulekar
 - ☐ 2. Rama Khandwala
 - ☐ 3. Baiza Bai
 - ☐ 4. Kanaklata Barua

Question ID : 630680547774
 Option 1 ID : 6306802141659
 Option 2 ID : 6306802141661
 Option 3 ID : 6306802141660
 Option 4 ID : 6306802141662
 Status : Answered
 Chosen Option : 1

Q.5 'Turkan-i-Chahalgani' was established by which of the following rulers of the Delhi Sultanate?

- Ans ☒ 1. Muhammad bin Tughluq
☒ 2. Iltutmish
☒ 3. Ghiyas ud din Balban
☒ 4. Muhammad Ghori

Question ID : 630680547773
 Option 1 ID : 6306802141655
 Option 2 ID : 6306802141657
 Option 3 ID : 6306802141658
 Option 4 ID : 6306802141656
 Status : Answered
 Chosen Option : 1

Q.6 Which of the following is the State flower of Meghalaya?

- Ans ☒ 1. Lady Slipper Orchid
☒ 2. Red Vanda
☒ 3. Shirui Lily
☒ 4. Rhododendron

Question ID : 630680547778
 Option 1 ID : 6306802141675
 Option 2 ID : 6306802141677
 Option 3 ID : 6306802141676
 Option 4 ID : 6306802141678
 Status : Answered
 Chosen Option : 3

Q.7 Gaan Ngai festival is one of the major festivals of _____ and is celebrated every year after harvesting.

- Ans ☒ 1. Sikkim
☒ 2. Ladakh
☒ 3. Manipur
☒ 4. Uttaranchal

Question ID : 630680547775
 Option 1 ID : 6306802141666
 Option 2 ID : 6306802141663
 Option 3 ID : 6306802141664
 Option 4 ID : 6306802141665
 Status : Answered
 Chosen Option : 3

Q.8 'Centrifugal form of federalism where the centre is stronger than the states' is borrowed from which of the following constitutions?

- Ans
1. German Constitution

2. Australian Constitution

3. Japanese Constitution

4. Canadian Constitution

Question ID : 630680547780
Option 1 ID : 6306802141686
Option 2 ID : 6306802141684
Option 3 ID : 6306802141685
Option 4 ID : 6306802141683
Status : Answered
Chosen Option : 4

Q.9 Which chapter in Part 6 of the Constitution of India is about powers and functions of the Subordinate Courts?

- Ans
1. Chapter 5

2. Chapter 7

3. Chapter 4

4. Chapter 6

Question ID : 630680547781
Option 1 ID : 6306802141688
Option 2 ID : 6306802141690
Option 3 ID : 6306802141687
Option 4 ID : 6306802141689
Status : Answered
Chosen Option : 3

Q.10 Ka Shad Nongkrem or Ka Pomblang Nongkrem is a popular festival as well as dance of which of the following tribes?

- Ans
1. Garos

2. Khasis

3. Bodo Kacharis tribe

4. Jaintias

Question ID : 630680547776
Option 1 ID : 6306802141667
Option 2 ID : 6306802141669
Option 3 ID : 6306802141670
Option 4 ID : 6306802141668
Status : Answered
Chosen Option : 3

Q.1 Select the most appropriate ANTONYM of the underlined word.

A true sportsman will never mourn over the defeat of his rivals.

- Ans ☒ 1. exult
☒ 2. approbate
☒ 3. deplore
☒ 4. lament

Question ID : 630680547784
 Option 1 ID : 6306802141700
 Option 2 ID : 6306802141702
 Option 3 ID : 6306802141701
 Option 4 ID : 6306802141699
 Status : Answered
 Chosen Option : 2

Q.2 Select the most appropriate option to fill in the blanks.

_____ did the river cross the danger mark _____ the bridge gave way.

- Ans ☒ 1. As soon as; when
☒ 2. Such; as
☒ 3. No sooner; than
☒ 4. Scarcely; that

Question ID : 630680547792
 Option 1 ID : 6306802141731
 Option 2 ID : 6306802141734
 Option 3 ID : 6306802141732
 Option 4 ID : 6306802141733
 Status : Answered
 Chosen Option : 4

Q.3 Select the most appropriate option to fill in the blank.

There is a decent house to _____ in my neighbourhood.

- Ans ☒ 1. let into
☒ 2. let in
☒ 3. let out
☒ 4. let down

Question ID : 630680547793
 Option 1 ID : 6306802141737
 Option 2 ID : 6306802141736
 Option 3 ID : 6306802141735
 Option 4 ID : 6306802141738
 Status : Answered
 Chosen Option : 3

Q.4 Select the most appropriate option to fill in the blank.

You won't be going abroad for higher studies, _____?

- Ans
- ☒ 1. shall you
 - ☒ 2. would you
 - ☒ 3. will you
 - ☒ 4. should you

Question ID : 630680547794
 Option 1 ID : 6306802141739
 Option 2 ID : 6306802141742
 Option 3 ID : 6306802141740
 Option 4 ID : 6306802141741
 Status : Answered
 Chosen Option : 2

Q.5 Select the most appropriate option to fill in the blank.

Have you thought _____ the matter and arrived at some decision?

- Ans
- ☒ 1. over
 - ☒ 2. into
 - ☒ 3. for
 - ☒ 4. above

Question ID : 630680547789
 Option 1 ID : 6306802141721
 Option 2 ID : 6306802141719
 Option 3 ID : 6306802141720
 Option 4 ID : 6306802141722
 Status : Answered
 Chosen Option : 1

Q.6 Select the most appropriate option to fill in the blank.

The long illness has reduced him _____ a bag of bones.

- Ans
- ☒ 1. by
 - ☒ 2. in
 - ☒ 3. to
 - ☒ 4. of

Question ID : 630680547790
 Option 1 ID : 6306802141726
 Option 2 ID : 6306802141724
 Option 3 ID : 6306802141725
 Option 4 ID : 6306802141723
 Status : Answered
 Chosen Option : 3

Q.7 Select the INCORRECTLY spelt word.

Ans ☒ 1. priviledge

☒ 2. inimical

☒ 3. accommodation

☒ 4. querulous

Question ID : 630680547786

Option 1 ID : 6306802141709

Option 2 ID : 6306802141710

Option 3 ID : 6306802141707

Option 4 ID : 6306802141708

Status : Answered

Chosen Option : 1

Q.8 Select the most appropriate synonym of the underlined word.

He went on driving the car oblivious of the danger that awaited him.

Ans ☒ 1. incognizant

☒ 2. enamoured

☒ 3. absolved

☒ 4. conscious

Question ID : 630680547785

Option 1 ID : 6306802141705

Option 2 ID : 6306802141704

Option 3 ID : 6306802141706

Option 4 ID : 6306802141703

Status : Answered

Chosen Option : 4

Q.9 Select the most appropriate option to fill in the blank.

I am lucky to have friends who stand up for me, _____?

Ans ☒ 1. isn't I

☒ 2. wasn't I

☒ 3. am I

☒ 4. aren't I

Question ID : 630680547795

Option 1 ID : 6306802141744

Option 2 ID : 6306802141746

Option 3 ID : 6306802141743

Option 4 ID : 6306802141745

Status : Answered

Chosen Option : 1

Q.10 Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the correct order to form a meaningful and coherent paragraph.

- A. But there is a great deal of truth in it.
- B. In fact, good toy designs invite children to pull them apart and put them back again.
- C. 'The best thing a child can do with a toy is to break it', might sound like an anarchistic slogan.
- D. Every curious child would like to rip open a toy to peep into its tummy.

- Ans
- ☒ 1. DBAC
 - ☒ 2. CBAD
 - ☒ 3. DABC
 - ☒ 4. CADB

Question ID : 630680547796
 Option 1 ID : 6306802141747
 Option 2 ID : 6306802141749
 Option 3 ID : 6306802141750
 Option 4 ID : 6306802141748
 Status : Answered
 Chosen Option : 4

Q.11 Select the most appropriate synonym of the word in brackets to fill in the blank.

She plunged into _____ when she incurred heavy losses in business. (melancholy)

- Ans
- ☒ 1. complacency
 - ☒ 2. ecstasy
 - ☒ 3. repletion
 - ☒ 4. despondency

Question ID : 630680547783
 Option 1 ID : 6306802141695
 Option 2 ID : 6306802141696
 Option 3 ID : 6306802141698
 Option 4 ID : 6306802141697
 Status : Answered
 Chosen Option : 4

Q.12 Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the correct order to form a meaningful and coherent paragraph.

- A. The increased production faces the impediment of wastage and the population encounters limited availability of the production.
B. Hence, this establishes the demand for investment in the infrastructure of Cold Chain.
C. Not only does it contribute to losses for almost one-third of the total production but also it affects the quality of the final product that reaches the final consumer.
D. Currently, India is the 2nd largest producer of horticulture crops globally.

Ans ☒ 1. DBCA

☒ 2. DACB

☒ 3. ACDB

☒ 4. ABCD

Question ID : 630680547797
Option 1 ID : 6306802141753
Option 2 ID : 6306802141754
Option 3 ID : 6306802141751
Option 4 ID : 6306802141752
Status : Not Answered
Chosen Option : --

Q.13 Select the most appropriate option to fill in the blank.

This letter is so carelessly written that I can _____ read it.

Ans ☒ 1. certainly

☒ 2. probably

☒ 3. fairly

☒ 4. hardly

Question ID : 630680547791
Option 1 ID : 6306802141727
Option 2 ID : 6306802141728
Option 3 ID : 6306802141729
Option 4 ID : 6306802141730
Status : Answered
Chosen Option : 4

Q.14 Select the sentence with all correctly spelt words.

Ans ☒ 1. The government has identified some crafts such as the art of embellishing brass and copper utensils with fine engravings as languishing crafts.

☒ 2. The government has identified some crafts such as the art of embelishing brass and copper utencils with fine engravings as langushing crafts.

☒ 3. The government has identified some crafts such as the art of embellishing brass and copper utensils with fine engravings as languishing crafts.

☒ 4. The goverment has identified some crafts such as the art of embellishing brass and copper utencils with fine engravings as langishing crafts.

Question ID : 630680547788
Option 1 ID : 6306802141717
Option 2 ID : 6306802141715
Option 3 ID : 6306802141716
Option 4 ID : 6306802141718
Status : Answered
Chosen Option : 3

Q.15 Select the sentence with all correctly spelt words.

- Ans

✔

 1. Charles Dickens, considered a literary genius, enjoyed unprecedented popularity during his lifetime.

✘

 2. Charles Dickens, considered a litrary genious, enjoyed unprecedented popularity during his lifetime.

✘

 3. Charles Dickens, considered a litrary genius, enjoyed unpresedented popularity during his lifetime.

✘

 4. Charles Dickens, considered a literery genius, enjoyed unpresidented popularity during his lifetime.

Question ID : 630680547787
Option 1 ID : 6306802141711
Option 2 ID : 6306802141713
Option 3 ID : 6306802141712
Option 4 ID : 6306802141714
Status : Answered
Chosen Option : 1

Comprehension:

Read the given passage and answer the questions that follow.

We left Kalamata Marina after an enjoyable few days and now would be heading through a few of the Greek islands on our way toward Italy and beyond. Our normal early morning departure allowed us to enjoy another wonderful sunrise from the water which always seems to add to the beauty for us.

We were enjoying the sail when all of a sudden, we heard calls on the VHF calling for boats to divert to a ship with numerous people onboard that needed rescuing. This is something that you never want to hear, but you also appreciate the maritime rules that say that if a ship is in distress, you must divert to help.

Between Kalamata and our stop for the day at Kypasissia we passed a very interesting area. It is the location of the castle of Methoni, built by the Venetians in the early 13th C. We had for quite some time planned on stopping here as we knew we could travel to Olympia from this anchorage. We really were torn about stopping, but with the weather predictions and having had to stop a few times already, we decided to skip it and take advantage of the weather today to move a little further.

The place we did stop for the day was quite unusual in that it was a harbour that appeared to be quite deserted. There were no services provided, just a quay with an area to tie up. We had been reading about the place and had gotten mixed messages. One stated that you could do a side tie which we like and someone else said that there was a sign that you couldn't do that anymore and you had to Med moor. For those of you not familiar with this, it means putting down your anchor and then backing up toward the quay and tie to the quay from the stern. Thankfully when we arrived, we saw boats were both Med moored and side-tied. Luckily for us another cruiser came over and helped with our mooring lines for a side-tie.

SubQuestion No : 16

Q.16 Why did the travellers decide against stopping at Kypasissia?

- Ans

✘

 1. They wanted to take onboard several people who needed to be rescued.

✔

 2. They wanted to take advantage of the favourable weather to travel further.

✘

 3. They wanted to travel to Olympia after anchoring there for a day's rest.

✘

 4. They wanted to visit the deserted harbour to avail free lodging facility.

Question ID : 630680547802
Option 1 ID : 6306802141770
Option 2 ID : 6306802141768
Option 3 ID : 6306802141767
Option 4 ID : 6306802141769
Status : Answered
Chosen Option : 3

Comprehension:

Read the given passage and answer the questions that follow.

We left Kalamata Marina after an enjoyable few days and now would be heading through a few of the Greek islands on our way toward Italy and beyond. Our normal early morning departure allowed us to enjoy another wonderful sunrise from the water which always seems to add to the beauty for us.

We were enjoying the sail when all of a sudden, we heard calls on the VHF calling for boats to divert to a ship with numerous people onboard that needed rescuing. This is something that you never want to hear, but you also appreciate the maritime rules that say that if a ship is in distress, you must divert to help.

Between Kalamata and our stop for the day at Kypasissia we passed a very interesting area. It is the location of the castle of Methoni, built by the Venetians in the early 13th C. We had for quite some time planned on stopping here as we knew we could travel to Olympia from this anchorage. We really were torn about stopping, but with the weather predictions and having had to stop a few times already, we decided to skip it and take advantage of the weather today to move a little further.

The place we did stop for the day was quite unusual in that it was a harbour that appeared to be quite deserted. There were no services provided, just a quay with an area to tie up. We had been reading about the place and had gotten mixed messages. One stated that you could do a side tie which we like and someone else said that there was a sign that you couldn't do that anymore and you had to Med moor. For those of you not familiar with this, it means putting down your anchor and then backing up toward the quay and tie to the quay from the stern. Thankfully when we arrived, we saw boats were both Med moored and side-tied. Luckily for us another cruiser came over and helped with our mooring lines for a side-tie.

SubQuestion No : 17

Q.17 Match the words with their antonyms.

Words	Antonyms
a. Departure	i. Comfort
b. Distress	ii. Populated
c. Deserted	iii. Arrival

- Ans
1. a-iii, b-ii, c-i

2. a-i, b-iii, c-i

3. a-iii, b-i, c-ii

4. a-ii, b-i, c-iii

Question ID : 630680547803

Option 1 ID : 6306802141771

Option 2 ID : 6306802141773

Option 3 ID : 6306802141774

Option 4 ID : 6306802141772

Status : Answered

Chosen Option : 3

Comprehension:

Read the given passage and answer the questions that follow.

We left Kalamata Marina after an enjoyable few days and now would be heading through a few of the Greek islands on our way toward Italy and beyond. Our normal early morning departure allowed us to enjoy another wonderful sunrise from the water which always seems to add to the beauty for us.

We were enjoying the sail when all of a sudden, we heard calls on the VHF calling for boats to divert to a ship with numerous people onboard that needed rescuing. This is something that you never want to hear, but you also appreciate the maritime rules that say that if a ship is in distress, you must divert to help.

Between Kalamata and our stop for the day at Kypasissia we passed a very interesting area. It is the location of the castle of Methoni, built by the Venetians in the early 13th C. We had for quite some time planned on stopping here as we knew we could travel to Olympia from this anchorage. We really were torn about stopping, but with the weather predictions and having had to stop a few times already, we decided to skip it and take advantage of the weather today to move a little further.

The place we did stop for the day was quite unusual in that it was a harbour that appeared to be quite deserted. There were no services provided, just a quay with an area to tie up. We had been reading about the place and had gotten mixed messages. One stated that you could do a side tie which we like and someone else said that there was a sign that you couldn't do that anymore and you had to Med moor. For those of you not familiar with this, it means putting down your anchor and then backing up toward the quay and tie to the quay from the stern. Thankfully when we arrived, we saw boats were both Med moored and side-tied. Luckily for us another cruiser came over and helped with our mooring lines for a side-tie.

SubQuestion No : 18

Q.18 The given passage is a/an _____.

- Ans**
- ☒ 1. article
 - ☒ 2. anecdote
 - ☒ 3. report
 - ☒ 4. travelogue

Question ID : 630680547801
 Option 1 ID : 6306802141764
 Option 2 ID : 6306802141766
 Option 3 ID : 6306802141763
 Option 4 ID : 6306802141765
 Status : Answered
 Chosen Option : 4

Comprehension:

Read the given passage and answer the questions that follow.

We left Kalamata Marina after an enjoyable few days and now would be heading through a few of the Greek islands on our way toward Italy and beyond. Our normal early morning departure allowed us to enjoy another wonderful sunrise from the water which always seems to add to the beauty for us.

We were enjoying the sail when all of a sudden, we heard calls on the VHF calling for boats to divert to a ship with numerous people onboard that needed rescuing. This is something that you never want to hear, but you also appreciate the maritime rules that say that if a ship is in distress, you must divert to help.

Between Kalamata and our stop for the day at Kypasissia we passed a very interesting area. It is the location of the castle of Methoni, built by the Venetians in the early 13th C. We had for quite some time planned on stopping here as we knew we could travel to Olympia from this anchorage. We really were torn about stopping, but with the weather predictions and having had to stop a few times already, we decided to skip it and take advantage of the weather today to move a little further.

The place we did stop for the day was quite unusual in that it was a harbour that appeared to be quite deserted. There were no services provided, just a quay with an area to tie up. We had been reading about the place and had gotten mixed messages. One stated that you could do a side tie which we like and someone else said that there was a sign that you couldn't do that anymore and you had to Med moor. For those of you not familiar with this, it means putting down your anchor and then backing up toward the quay and tie to the quay from the stern. Thankfully when we arrived, we saw boats were both Med moored and side-tied. Luckily for us another cruiser came over and helped with our mooring lines for a side-tie.

SubQuestion No : 19

Q.19 The early morning departure of the travellers enabled them to _____.

- Ans
- ☒ 1. stop at the castle of Methoni
 - ☒ 2. enjoy the sunrise from the water
 - ☒ 3. respond quickly to the VHF call
 - ☒ 4. take advantage of the weather

Question ID : 630680547799

Option 1 ID : 6306802141755

Option 2 ID : 6306802141757

Option 3 ID : 6306802141756

Option 4 ID : 6306802141758

Status : Answered

Chosen Option : 2

Comprehension:

Read the given passage and answer the questions that follow.

We left Kalamata Marina after an enjoyable few days and now would be heading through a few of the Greek islands on our way toward Italy and beyond. Our normal early morning departure allowed us to enjoy another wonderful sunrise from the water which always seems to add to the beauty for us.

We were enjoying the sail when all of a sudden, we heard calls on the VHF calling for boats to divert to a ship with numerous people onboard that needed rescuing. This is something that you never want to hear, but you also appreciate the maritime rules that say that if a ship is in distress, you must divert to help.

Between Kalamata and our stop for the day at Kypasissia we passed a very interesting area. It is the location of the castle of Methoni, built by the Venetians in the early 13th C. We had for quite some time planned on stopping here as we knew we could travel to Olympia from this anchorage. We really were torn about stopping, but with the weather predictions and having had to stop a few times already, we decided to skip it and take advantage of the weather today to move a little further.

The place we did stop for the day was quite unusual in that it was a harbour that appeared to be quite deserted. There were no services provided, just a quay with an area to tie up. We had been reading about the place and had gotten mixed messages. One stated that you could do a side tie which we like and someone else said that there was a sign that you couldn't do that anymore and you had to Med moor. For those of you not familiar with this, it means putting down your anchor and then backing up toward the quay and tie to the quay from the stern. Thankfully when we arrived, we saw boats were both Med moored and side-tied. Luckily for us another cruiser came over and helped with our mooring lines for a side-tie.

SubQuestion No : 20

Q.20 Which of the following is an important maritime rule?

- Ans** ☒ 1. To divert one's vessel to extend help if a ship is in distress
- ☐ 2. To rescue all people aboard a ship in case of bad weather
- ☐ 3. To pay heed to weather predictions before setting sail
- ☐ 4. To Med moor or side tie at a harbour as permitted

Question ID : 630680547800

Option 1 ID : 6306802141760

Option 2 ID : 6306802141759

Option 3 ID : 6306802141761

Option 4 ID : 6306802141762

Status : Answered

Chosen Option : 2