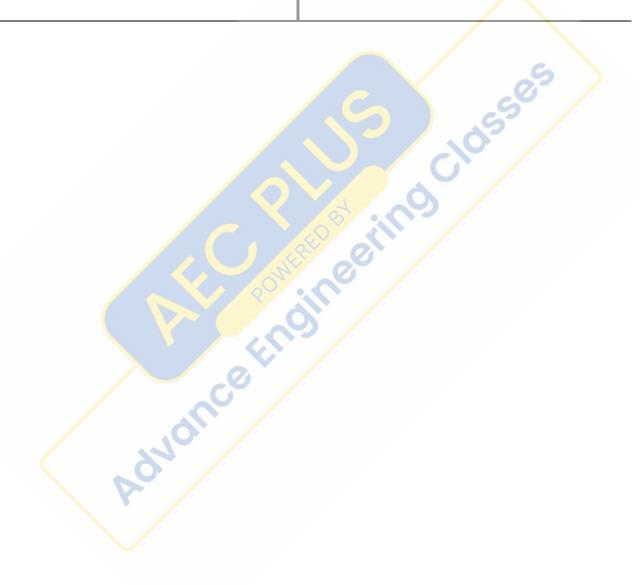
LMRC Junior Engineer

Previous Year Paper (Civil) 20 Jan 2020 Shift 1





Uttar Pradesh Metro Rail Corporation Limited

उत्तर प्रदेश मेट्रो रेल कॉर्पोरेशन लिमिटेड

A joint Venture of Govt. of India and Govt. of Uttar Pradesh

| 20/01/2020 |
|---------------------------|
| 9:00 AM - 11:00 AM |
| NE 01 Jr Engineer (Civil) |
| |

Section: Technical

Q.1 The process of compaction of soil involves:

Ans

1 expulsion of air and water from the soil

× 2. expulsion of water only from the soil

X 3.

reducing the dry density of soil by tamping, rolling or vibration of soil

✓ 4. expulsion of air only from the soil

Question ID: 931207194 Chosen Option: 4

Q.2 In a plane table survey, scale selected is 1 cm = 100 m. If area plotted on the sheet is 200 cm², how much is the actual area on field?

Ans

X 1. 0.2 km²

× 2. 50000 m²

X 3. 20 km²

✓ 4. 2000000 m²

Question ID: 931207164

Chosen Option: 4

Q.3 If the surface tension at air-water interface is 0.07N/m, then the pressure difference between the inside and outside of an air bubble of diameter 0.02 mm will be:

Ans

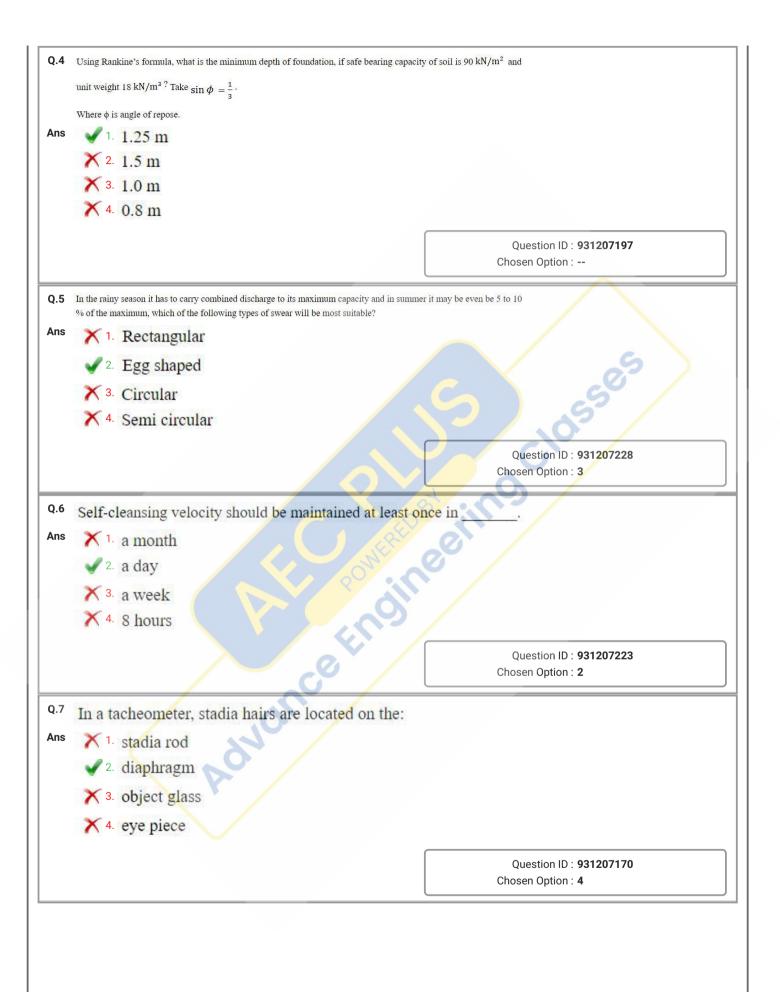
X 1. 28 kPa

X 2. 0.09 kPa

√ 3. 14 kPa

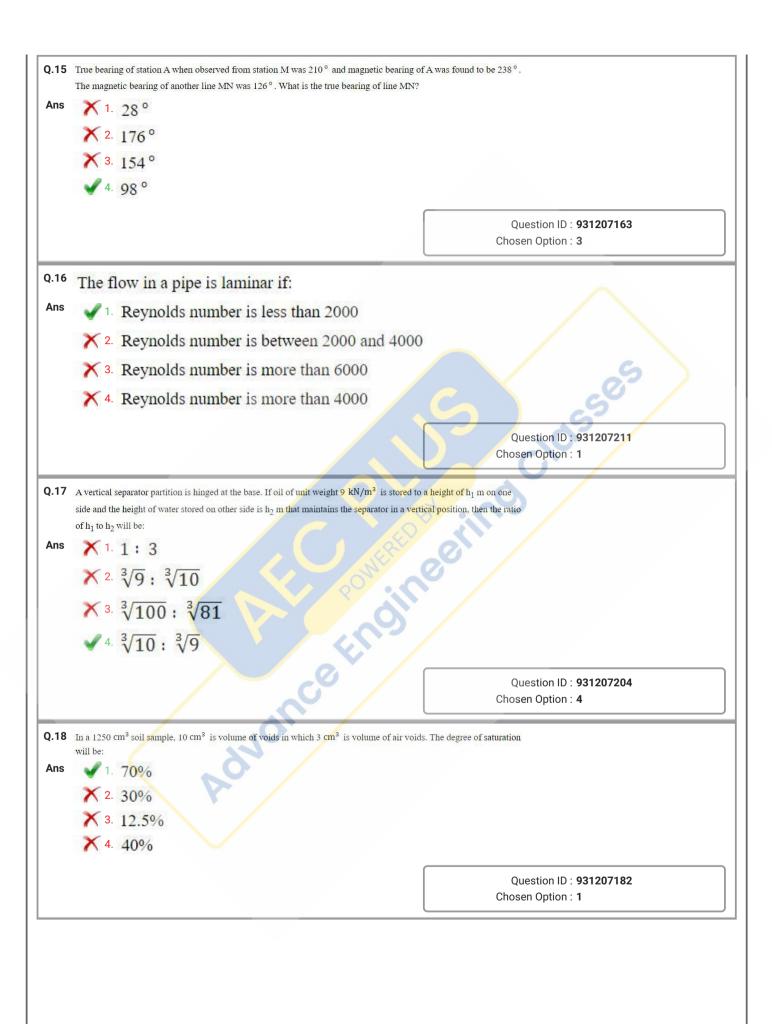
X 4. 35 kPa

Question ID: 931207202



Q.8 The unit of viscosity is: Ans √ 1. poise X 2. cumecs X 3. m/s X 4. N/m Ouestion ID: 931207201 Chosen Option: 1 Which of the following statements is/are true about settlements continuing to occur at an appreciable rate after many years for a building founded above thick clay strata? Low permeability of clay and consequent time required for the escape of pore water. Plastic action in absorbed water near grain to grain contacts, which does not allow quick transmission of the applied stress to the grains and the effective stress to reach a constant value. Effective stress in the soil at any point is decreased by an amount equal to the seepage force for the downward Ans X 1. ii is true × 2. i is true √ 3. i and ii both are true X 4. ii and iii both are true Question ID: 931207180 Chosen Option: 4 Q.10 Which of the following is/are NOT true about Plane Surveying? Effect of curvature of the earth is neglected assuming the earth's surface to be plane. Effect of curvature of the earth is taken into account. Generally suitable for area more than 500 km². Degree of accuracy is low. 1. ii and iv are not true 2. ii and iii are not true X 3. i and iv are not true X 4. i and iii are not true Question ID: 931207156 Chosen Option: 2

Q.11 If reduced bearing of a line is N23° 20'W, then what will be the whole circle bearing? Ans 🗸 1. 336 ° 40′ X 2. N336° 40'W X 3. N23 ° 20 W X 4. 156° 40′ Ouestion ID: 931207162 Chosen Option: 1 is a kind of passage to allow water from upstream to downstream of a dam which has flood gates to control the Q.12 Ans X 1. Flume X 2. Gallery 3. Spillway X 4. Sluiceway Question ID: 931207209 Chosen Option: 3 Q.13 Which of the following is INCORRECT about Piezometer? Ans 1. It is a simple form of manometer It can be used to measure the positive gauge pressures of a liquid 3. It can be used to measure gas pressure × 4. It can be used to measure pressure of a moving liquid Question ID: 931207206 Chosen Option: 3 Q.14 The figure below shows a manometer connected to a pipeline containing oil of specific gravity 0.8. If the specific gravity of mercury is 13.6, the pressure of oil in terms of height of the water will be: Ans X 1. 5 m 2. 4m X 3. 1m X 4. 3.2 m Question ID: 931207205 Chosen Option: --



| Q.19 | Application of the Control of the Co | id to solid state is called: |
|-------------|--|--|
| Ans | ➤ 1. plastic limit | |
| | ✓ 2. shrinkage limit | |
| | × 3. plasticity index | |
| | × 4. liquid limit | |
| | | |
| | | Question ID : 931207176 Chosen Option : 2 |
| | | |
| Q.20 Ans | The vertical distance between the centreline of the centrifugal pump and the liquid surface | e in the pump is called as: |
| Allo | dynamic head | |
| | 2. manometric head | |
| | 3. delivery head | |
| | 4. Suction head | -03 |
| | Note: For this question, discrepancy is found in question/answer. Full N awarded to all candidates. | larks is being |
| | | Question ID : 931207214 |
| | | Chosen Option : 4 |
| Q.21 | The permissible limits for pH of drinking water my | vet hav |
| Ans | 1. 1 to 14 | ist be. |
| 74.10 | × 2. 1 to 7 | |
| | ✓ 3. 6.5 to 8.5 | 0 |
| | × 4. 7 to 8 | • |
| | | |
| | | Question ID : 931207216 Chosen Option : 4 |
| | | |
| Q.22 | Seasoning of timber does NOT increases its: | |
| Ans | × 1. strength | |
| | 1. strength 2. durability | |
| | → 3. stiffness | |
| | ✓ 4. self-weight | |
| | | |
| | | Question ID : 931207155 Chosen Option : 4 |
| | | Chosen option. 4 |
| | | |
| | | |
| | | |

Q.23 Which of the following statements is INCORRECT about asbestos?

Ans 1. It is an excellent insulator for electricity

- 2. It is porous
- 3. It is an excellent insulator for heat
- 4. It is fire proof

Note: For this question, discrepancy is found in question/answer. Full Marks is being awarded to all candidates.

Question ID: 931207147 Chosen Option: 1

Q.24 A metallic tape originally 20m is now found to be 20.2m long. Two points on the ground are to be marked 50m apart. What measurement must be made using this tape?

Ans

X 1. 51.505 m

× 2. 49,200 m

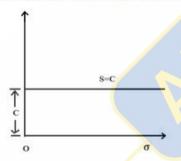
X 3. 50.000 m

✓ 4. 49.505 m

Question ID: 931207158 Chosen Option: 4

Q.25 If Coulomb's envelop takes the shape as shown in the figure, it must be:

cetingine



Ans

X 1. sandy soil

✓ 2. pure clay

X 3. either sandy soil or pure clay

× 4. c-φ soil

Question ID: 931207187

Q.26 Autoclave test on cement is done to know: Ans X 1 permeability of cement × 2. specific gravity of cement √ 3. soundness of cement X 4. fineness of cement Question ID: 931207143 Chosen Option: 3 Q.27 Which of the following is NOT correct with reference to Terzaghi's theory of one-dimensional consolidation? Ans ★ 1. The compression is one-dimensional ✓ 2. Soil is non-homogeneous 3. Flow of water in the soil voids is one-dimensional X 4. Soil is completely saturated Question ID: 931207179 Chosen Option: 2 Q.28 In which of the following is compass surveying NOT advisable? 1. Survey of long narrow strips of roads, railways etc. When the area under survey cannot be divided into triangles conveniently. Where long straight lines <mark>and convenient tie lines cannot be d</mark>rawn on account of obstructions. 4. In places abounding in magnetic rock or iron ore. Question ID: 931207160 Chosen Option: 4 Q.29 $\frac{ALN}{C}$ Q = cumecs is an equation for discharge, where, A is a cross-sectional area of cylinder / piston, L is the stroke length of the piston and N is the rpm of the crank. Ans √ 1. A single acting reciprocating pump × 2. A double acting reciprocating pump X 3. Triple cylinder pump X 4. Diffuser pump Question ID: 931207213 Chosen Option: --

| | × 2. 63 MPa × 3. 33 MPa | | | |
|------|--|--|--|--|
| | × 4. 43 MPa | | | |
| | - 45 MFa | | | |
| | | Question ID : 931207151 Chosen Option : 1 | | |
| .31 | In a laboratory soil test, the sample has an area of cross section 12.50 cm ² , hydraulic g measured is 150 ml in 120 sec. The coefficient of permeability will be (Apply | | | |
| Ans | ✓ 1. 0.5 mm/s | | | |
| | × 2. 0.2 mm/s | | | |
| | × 3. 5.0 mm/s | | | |
| | × 4. 0.1 mm/s | 05) | | |
| | | Out at the UN 000 007470 | | |
| | | Question ID: 931207178 Chosen Option: 1 | | |
| 2.32 | The Man Chan Test is suitable four | 6 | | |
| Ans | The valie shear test is suitable for. | | | |
| | 1. sandy soil | | | |
| | × 2. gravely soil | 0 | | |
| | 3. cohesion-less soil | 0 | | |
| | 4. clay | | | |
| | | Question ID : 931207192 | | |
| | | Chosen Option : 4 | | |
|).33 | In Bernoulli's equation, Total head =? | | | |
| | 1. Pressure head - Kinetic head + Potential he | ead | | |
| Ans | × 2. Pressure head + Kinetic head - Potential he | ead | | |
| Ans | | √ 3. Pressure head + Kinetic head + Potential head | | |
| Ans | ✓ 3. Pressure head + Kinetic head + Potential h | lead | | |
| Ans | 3. Pressure head + Kinetic head + Potential h 4. Pressure head - Kinetic head - Potential he | | | |

 $\textbf{Q.34} \quad \text{A centrifugal pump having a wheel of } \pi^{-1} \, \text{m} \, \text{outside diameter rotates at 1200 rpm. The vanes are radial at exit and the}$ velocity of water in the delivery pipe is 5m/s. What is the height through which the pump lifts the water? Neglect frictional losses and consider $g = 10 \text{ m/s}^2$.

X 1. 25.00 m

✓ 2. 38.75 m

X 3. 22. 30 m

X 4. 12. 38 m

Ouestion ID: 931207215

Chosen Option: --

Q.35 Sometimes while surveying a small area, the direction of survey lines are expressed in terms of the angle between a fixed reference line or convenient direction at site. This fixed reference line or convenient direction at site is called as:

Ans

× 1. geographical meridian

🗸 2. arbitrary meridian

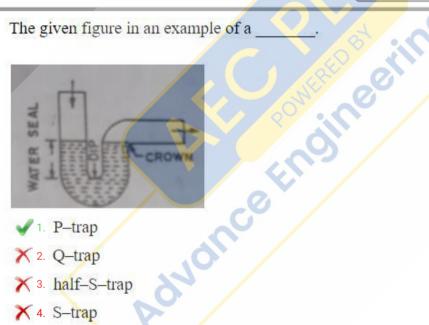
X 3. grid meridian

X 4. true meridian

Question ID: 931207159

Chosen Option: 3

Q.36 The given figure in an example of a



Ans

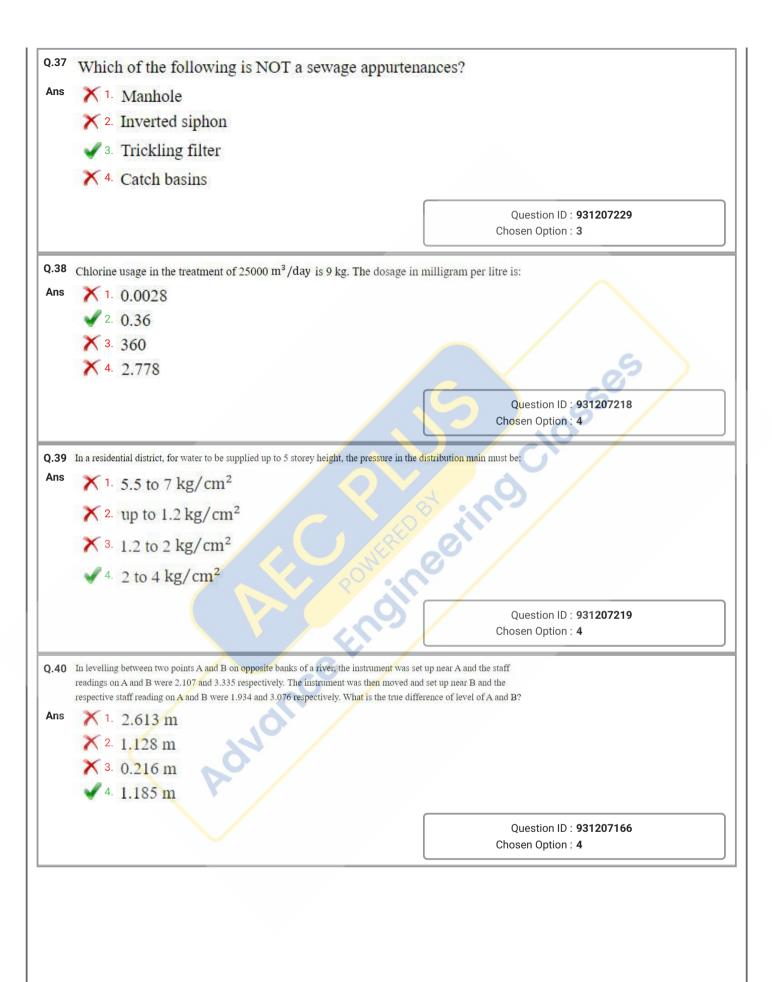
√ 1. P–trap

X 2. Q-trap

X 3. half-S-trap

X 4. S-trap

Question ID: 931207230



| าร | ★ 1. reticulation system | |
|-------------|---|--|
| | ✓ 2. dead end system | |
| | End Statement Control | |
| | × 3. ring system | |
| | × 4. radial system | |
| | | Question ID: 931207221 Chosen Option: 4 |
| .42 | The horizontal distance between two consecutive contours is | termed as |
| Ans | ★ 1. contour equivalent | |
| | × 2. horizontal interval | |
| | × 3. contour interval | -5 |
| | √ 4. horizontal equivalent | 50 |
| | | Question ID: 931207168 Chosen Option: 2 |
| _ | | |
| .43 | Which of the following is a correct statement with reference to determining reduced leve | l of a point using rise and fall |
| | Which of the following is a correct statement with reference to determining reduced leve method? | l of a point using rise and fall |
| | | By illo |
| | method? 1. If a staff reading (fore reading) is greater than that at the preceding point, then there is a fall rise. | By illo |
| | method? 1. If a staff reading (fore reading) is greater than that at the preceding point, then there is a fall rise. 2. | l <mark>l an</mark> d if smaller then there is a |
| | method? 1. If a staff reading (fore reading) is greater than that at the preceding point, then there is a fall rise. 2. If reading of a preceding point is greater, then the | l <mark>l an</mark> d if smaller then there is a |
| | method? 1. If a staff reading (fore reading) is greater than that at the preceding point, then there is a fall rise. 2. | and if smaller then there is a ere is a fall. |
|).43 Ans | method? 1. If a staff reading (fore reading) is greater than that at the preceding point, then there is a fall rise. 2. If reading of a preceding point is greater, then the 3. | ere is a fall. |
| | method? 1. If a staff reading (fore reading) is greater than that at the preceding point, then there is a fairise. 2. If reading of a preceding point is greater, then the 3. If a staff reading (fore reading) is greater than that at the preceding point 4. If a staff reading (fore reading) is smaller than that at the preceding point, then there is a fair | ere is a fall. |
| | method? 1. If a staff reading (fore reading) is greater than that at the preceding point, then there is a fairise. 2. If reading of a preceding point is greater, then the 3. If a staff reading (fore reading) is greater than that at the preceding point 4. If a staff reading (fore reading) is smaller than that at the preceding point, then there is a fair | and if smaller then there is a cree is a fall. Soint, then there is a rise. Il and if greater then there is a |
| Ans | method? 1. If a staff reading (fore reading) is greater than that at the preceding point, then there is a fairise. 2. If reading of a preceding point is greater, then the 3. If a staff reading (fore reading) is greater than that at the preceding point 4. If a staff reading (fore reading) is smaller than that at the preceding point, then there is a fair | Pere is a fall. Soint, then there is a rise. Il and if greater then there is a Question ID: 931207165 Chosen Option: 4 |
| Ans | method? 1. If a staff reading (fore reading) is greater than that at the preceding point, then there is a fairise. 2. If reading of a preceding point is greater, then the 3. If a staff reading (fore reading) is greater than that at the preceding point is a staff reading (fore reading) is greater than that at the preceding point, then there is a fairise. Which of the following tests is NOT conducted or | Pre is a fall. Soint, then there is a rise. Il and if greater then there is a Question ID: 931207165 Chosen Option: 4 |
| Ans | method? 1. If a staff reading (fore reading) is greater than that at the preceding point, then there is a fairise. 2. If reading of a preceding point is greater, then the 3. If a staff reading (fore reading) is greater than that at the preceding point 4. If a staff reading (fore reading) is smaller than that at the preceding point, then there is a fairise. Which of the following tests is NOT conducted of 1. Stud pull-off test | Pere is a fall. Soint, then there is a rise. Il and if greater then there is a Question ID: 931207165 Chosen Option: 4 |
| Ans | method? 1. If a staff reading (fore reading) is greater than that at the preceding point, then there is a fairise. 2. If reading of a preceding point is greater, then the 3. If a staff reading (fore reading) is greater than that at the preceding point 4. If a staff reading (fore reading) is smaller than that at the preceding point, then there is a fairise. Which of the following tests is NOT conducted of 1. Stud pull-off test 2. Heat test | Pre is a fall. Soint, then there is a rise. Il and if greater then there is a Question ID: 931207165 Chosen Option: 4 |
| Ans | method? 1. If a staff reading (fore reading) is greater than that at the preceding point, then there is a fairise. 2. If reading of a preceding point is greater, then the 3. If a staff reading (fore reading) is greater than that at the preceding point 4. If a staff reading (fore reading) is smaller than that at the preceding point, then there is a fairise. Which of the following tests is NOT conducted of 1. Stud pull-off test | Pre is a fall. Soint, then there is a rise. Il and if greater then there is a Question ID: 931207165 Chosen Option: 4 |
| _ | method? 1. If a staff reading (fore reading) is greater than that at the preceding point, then there is a fairise. 2. If reading of a preceding point is greater, then the 3. If a staff reading (fore reading) is greater than that at the preceding point 4. If a staff reading (fore reading) is smaller than that at the preceding point, then there is a fairise. Which of the following tests is NOT conducted of 1. Stud pull-off test 2. Heat test 3. Acid test | Pre is a fall. Soint, then there is a rise. Il and if greater then there is a Question ID: 931207165 Chosen Option: 4 |

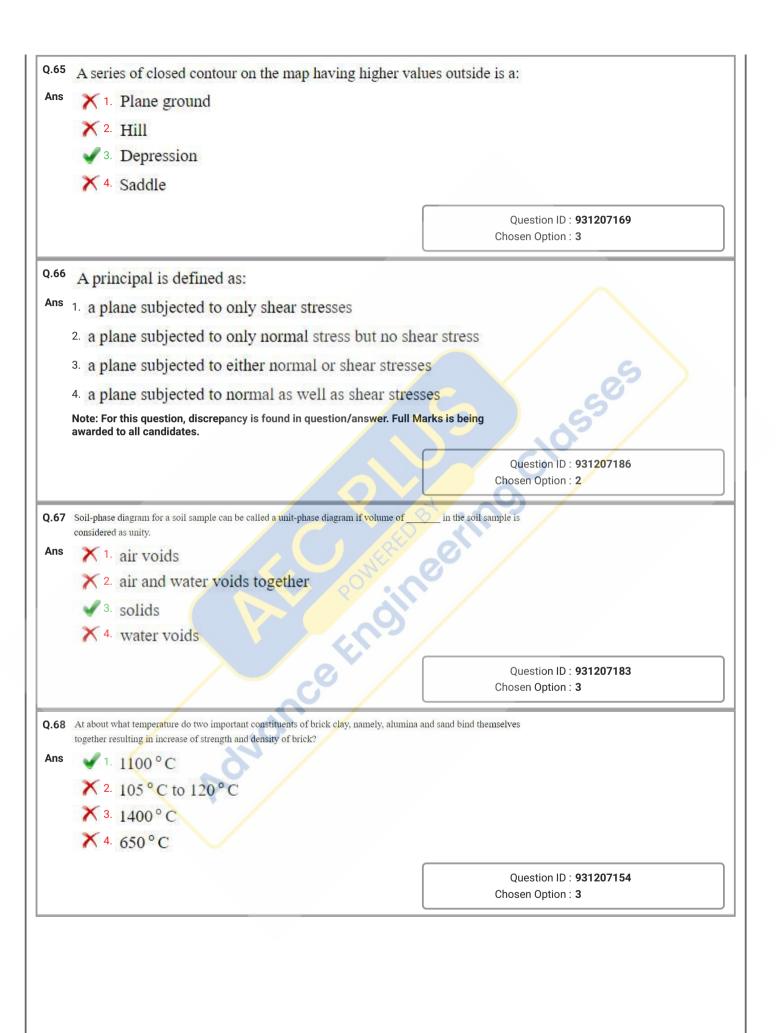
| 45 | The ratio of pH to pOH of freshly distilled wa | iter will be: |
|-----|---|--|
| ns | X 1. 1.2 | |
| | 2. 0.5 | |
| | X 3. 2 | |
| | ✓ 4. 1 | |
| | | Question ID : 931207217 Chosen Option : 4 |
| .46 | The time needed to complete BOD and COD tests on wastewat | er isrespectively. |
| ns | √ 1. 5 days and 3 hours | |
| | × 2. 5 days and 3 days | |
| | X 3. 3 days and 5 hours | |
| | × 4. 5 hours and 3 hours | .05 |
| | | Question ID ; 931207226 Chosen Option : 1 |
| | In a Plate Load Test, after every increment in load on plate, settlements are recorded and thereafter the load is increased and the test is continued until a load of a ultimate load is applied. | |
| ns | ★ 1. 0.01 mm/hour,2 | 3 :(3) |
| | × 2. 0.02 mm/hour,2 | |
| | DOCUMENT THE CONTRACTOR STORY | CO CO |
| | 3. 0.01 mm/hour,1.5 | |
| | ✓ 4. 0.02 mm/hour, 1.5 | |
| | | Question ID: 931207198 |
| | | Chosen Option : |
| .48 | A strip footing rests on the surface of a dry cohesionless soil, If the water table rise flooding, then what percentage reduction factor (RY) is to be applied to bearing Terzaghi's equation? | |
| ıns | 1. 37% 2. 50% | |
| | ✓ 2. 50% | |
| | ★ 3. 80% | |
| | × 4. 75% | |
| | | Question ID : 931207200 |
| | | Chosen Option : 2 |
| | | |
| | | |
| | | |

| Q.49 | When liquidity index is greater than 1: | |
|-------------|--|--|
| Ans | ★ 1 soil is in plastic state | |
| | × 2. soil is in solid state | |
| | ★ 3. soil is in semi-solid state | |
| | | |
| | | Ouestion ID : 931207185 |
| | | Chosen Option : 4 |
| Q.50 | A curve which is a combination of two reverse curves is provided in order to avoid intervebend of river or a building, etc. is called | ening obstructions such as the |
| Ans | ★ 1. compound curve | |
| | × 2. super elevation curve | |
| | → 3. serpentine curve | 5 |
| | ✓ 4. deviation curve | 600 |
| | | Question ID: 931207167 |
| | | Chosen Option : 1 |
| Q.51 Ans | A rectangular weir $10\sqrt{10} m$ wide has a constant head of 1m. If the coefficient of discharge discharge over the notch will be: 1. 56000 litres per sec | $\frac{1}{2}$ is 0.6 and $g = 9.8 \text{ m/s}^2$, the |
| | ≥ 28000 litres per sec | CO, |
| | ★ 3. 63600 litres per sec | |
| | ★ 4. 71096 litres per sec | • |
| | COS | Ougstion ID : 021207210 |
| | 0, 1 | Question ID : 931207210 Chosen Option : |
| Q.52 | Where rosin is used as resin in varnish, a suitable | solvent will be |
| Ans | 1. linseed oil | solvent will be. |
| | ✓ 2. turpentine | |
| | × 3. wood naphtha | |
| | The state of the s | |
| | ★ 4. methylated spirit of wine | |
| | | Question ID : 931207146 |
| | | Chosen Option : |

| Q.53 | The difference in length between the arc and the subtended chord on the earth's surface is taken as 500mm in: |
|------|--|
| Ans | № 1. 18.2 km |
| | × 2. 500 km |
| | × 3. 100 km |
| | ✓ 4. 91km |
| | Question ID : 931207157 |
| | Chosen Option : 4 |
| Q.54 | |
| Ans | 1. 12 N rammer falls through a height of 150 mm |
| | × 2. 48.9 N rammer falls through a height of 310 mm |
| | the explaint of the stage and |
| | ★ 3. 48.9 N rammer falls through a height of 450 mm |
| | √ 4. 26 N rammer falls through a height of 310 mm |
| | Question ID : 931207195 |
| | Chosen Option : 3 |
| Q.55 | Bulking of sand is more in: |
| Ans | ➤ 1. gravelly sand |
| | ✓ 2. fine sand |
| | × 3. medium sand |
| | × 4. coarse sand |
| | - Coarse sailed |
| | Question ID : 931207153 |
| | Chosen Option : 2 |
| Q.56 | Which of the following is INCORRECT about the efficiency of a basin in a horizontal flow sedimentation tank? |
| Ans | 1. It is a function of detention period |
| | 2. It is function of surface area of the basin relative to the rate of flow |
| | 3. It is function of settling velocities of particles |
| | the state of the s |
| | 4. It is not a function of depth of basin |
| | Note: For this question, discrepancy is found in question/answer. Full Marks is being awarded to all candidates. |
| | Question ID : 931207227 |
| | Chosen Option : 4 |

| Q.57 | The minimum velocity of water in a distribution main pipe 10 cm | diameter must be: |
|-------------|---|--|
| Ans | × 1. 1.8 m/s | |
| | × 2. 1.5 m/s | |
| | × 3. 1.2 m/s | |
| | ✓ 4. 0.9 m/s | |
| | | 0 11 15 2242 |
| | | Question ID : 931207220 Chosen Option : 2 |
| | | |
| Q.58 | If the pressure at any point in the liquid approaches the(1), the liquid starts vaporisin created in the region of(2) are carried with the liquid to the region of(2) collapse there which damage the walls of a conduit and also creates air pockets. The phenom (4). | _(3).Bubbles explode and |
| Ans | √ 1. | |
| | (1) saturation vapour pressure, (2) low pressure, (3) high pressure | ure, (4) cavitation |
| | ★ 2. | 60- |
| | (1) atmospheric pressure, (2) low pressure, (3) high pressure | re, (4) cavitation |
| | ★ 3. | 10.5 |
| | (1) cavitation low pressure, (2) high pressure, (3) saturation vapour pressure | re (4) meniscus effect |
| | X 4. | |
| | | 1 70 |
| | (1) saturation vapour pressure, (2) high pressure, (3) low pressure | ure, (4) cavitation |
| | | Question ID: 931207203 Chosen Option: 1 |
| Q.59 | (1) saturation vapour pressure, (2) high pressure, (3) low pressure | Question ID : 931207203 |
| Q.59 Ans | (1) saturation vapour pressure, (2) high pressure, (3) low pressure Imh _{off} cone is used to determine quantity of | Question ID : 931207203 Chosen Option : 1 |
| | (1) saturation vapour pressure, (2) high pressure, (3) low pressure. Imh _{off} cone is used to determine quantity of | Question ID : 931207203 Chosen Option : 1 |
| | Imh _{off} cone is used to determine quantity of 1. collide solids 2. suspended settleable solids | Question ID : 931207203 Chosen Option : 1 |
| | Imh _{off} cone is used to determine quantity of 1. collide solids 2. suspended settleable solids 3. dissolved solids | Question ID : 931207203 Chosen Option : 1 |
| | Imh _{off} cone is used to determine quantity of 1. collide solids 2. suspended settleable solids | Question ID : 931207203 Chosen Option : 1 |
| | Imh _{off} cone is used to determine quantity of 1. collide solids 2. suspended settleable solids 3. dissolved solids | Question ID: 931207203 Chosen Option: 1 in sewage. Question ID: 931207224 |
| | Imh _{off} cone is used to determine quantity of 1. collide solids 2. suspended settleable solids 3. dissolved solids | Question ID: 931207203 Chosen Option: 1 in sewage. |
| Ans | Imh _{off} cone is used to determine quantity of 1. collide solids 2. suspended settleable solids 3. dissolved solids 4. suspended non-settleable solids The compressive strength of any individual brick tested in the sample shall not fall below to | Question ID: 931207203 Chosen Option: 1 in sewage. Question ID: 931207224 Chosen Option: 2 |
| Ans | Imh _{off} cone is used to determine quantity of 1. collide solids 2. suspended settleable solids 3. dissolved solids 4. suspended non-settleable solids The compressive strength of any individual brick tested in the sample shall not fall below the strength specified for the corresponding class of brick by more than: | Question ID: 931207203 Chosen Option: 1 in sewage. Question ID: 931207224 Chosen Option: 2 |
| Ans Q.60 | Imh _{off} cone is used to determine quantity of 1. collide solids 2. suspended settleable solids 3. dissolved solids 4. suspended non-settleable solids 1. compressive strength of any individual brick tested in the sample shall not fall below the strength specified for the corresponding class of brick by more than: 1. 20% | Question ID: 931207203 Chosen Option: 1 in sewage. Question ID: 931207224 Chosen Option: 2 |
| Ans | Imh _{off} cone is used to determine quantity of 1. collide solids 2. suspended settleable solids 3. dissolved solids 4. suspended non-settleable solids The compressive strength of any individual brick tested in the sample shall not fall below the strength specified for the corresponding class of brick by more than: 1. 20% 2. 12.5% | Question ID: 931207203 Chosen Option: 1 in sewage. Question ID: 931207224 Chosen Option: 2 |
| Ans Q.60 | Imh _{off} cone is used to determine quantity of 1. collide solids 2. suspended settleable solids 3. dissolved solids 4. suspended non-settleable solids 1. compressive strength of any individual brick tested in the sample shall not fall below the strength specified for the corresponding class of brick by more than: 1. 20% | Question ID: 931207203 Chosen Option: 1 in sewage. Question ID: 931207224 Chosen Option: 2 |
| Ans | Imh _{off} cone is used to determine quantity of 1. collide solids 2. suspended settleable solids 3. dissolved solids 4. suspended non-settleable solids 4. suspended non-settleable solids 1. compressive strength of any individual brick tested in the sample shall not fall below to strength specified for the corresponding class of brick by more than: 1. 20% 2. 12.5% 3. 10% | Question ID : 931207203 Chosen Option : 1 in sewage. Question ID : 931207224 Chosen Option : 2 |
| Ans Q.60 | Imh _{off} cone is used to determine quantity of 1. collide solids 2. suspended settleable solids 3. dissolved solids 4. suspended non-settleable solids 4. suspended non-settleable solids 1. compressive strength of any individual brick tested in the sample shall not fall below to strength specified for the corresponding class of brick by more than: 1. 20% 2. 12.5% 3. 10% | Question ID: 931207203 Chosen Option: 1 in sewage. Question ID: 931207224 Chosen Option: 2 |

Q.61 Which of the following is INCORRECT with reference to Unconfined Compression Test on soil? Ans 1. This test cannot be performed on coarse-grained soil. 2. This test cannot be performed on remoulded cohesive soil. It is a special case of triaxial compression test in which vertical axial stress is the major principal stress and other two principal stresses are zero. 4. Failure plane is not predetermined. Question ID: 931207191 Chosen Option: --Q.62 In a prismatic compass: ✓ 1. 0° is marked at the south end of the magnetic needle 2. 180° is marked at the south end of the magnetic needle X 3. 90° is marked at the south end of the magnetic needle 0° is marked both at the south end as well as the north end of the magnetic needle Question ID: 931207161 Chosen Option: 1 Q.63 Fine grained soil is said to be silts and clay of low compressibility, if liquid limit is: X 1 more than 70% X 2. between 35% and 50% X 3. between 50% and 70% 4. less than 35% Question ID: 931207177 Chosen Option: --Q.64 As per IS 8041:1990, for rapid hardening cement, the setting time of cement when tested by the Vicat apparatus method Ans initial setting time shall not be less than 30 minutes and final setting time shall not be less than 600 minutes initial setting time shall not be more than 10 minutes and final setting time shall not be more than 90 minutes initial setting time shall not be less than 30 minutes and final setting time shall not be more than 600 minutes **X** 4. initial setting time shall not be more than 30 minutes and final setting time shall not be more than 600 minutes Question ID: 931207141 Chosen Option: 1



Q.69 Stones are classified as under:

| Igneous | Sedimentary | Metamorphic |
|---------|-------------|-------------|
| Basalt | Slate | Gneiss |
| Granite | Marble | Lime stone |

Which of the classifications are INCORRECT?

Ans 1 Basalt and lime stone

- 2. Slate and gneiss
- 3. Granite and marble
- 4. Slate and lime stone

Note: For this question, discrepancy is found in question/answer. Full Marks is being awarded to all candidates.

> Question ID: 931207142 Chosen Option: 4

Q.70 Which of the following is a base for paint?

- X 1. Spirit of turpentine
 - √ 2. Oxide of iron
 - X 3. Linseed oil
 - X 4. Litharge

Question ID: 931207145

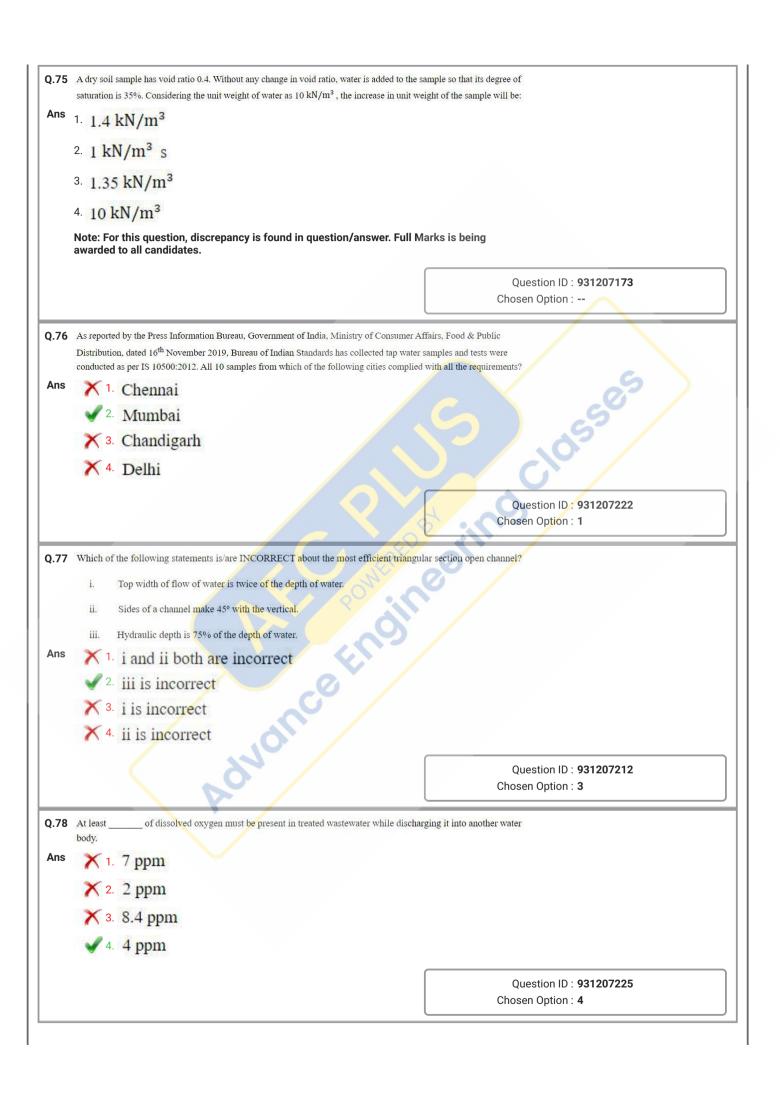
Chosen Option: 3

Q.71 A saturated soil sample can be represented by:

- Ans 1. two phase system
 - × 2. three phase system
 - X 3. one phase system
 - X 4. no phase system

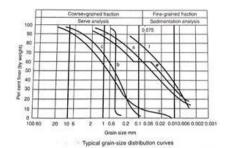
Question ID: 931207171

| Q.72 | A vane 12 cm long and 6 cm in diameter was pressed into soft clay. Both the top and t | |
|------|--|---|
| | shearing the soil. What will be the shear strength of clay on a horizontal plane if torque N/mm? | |
| Ans | 1. 0.04 N/mm ² | |
| | 2. 0.042 N/mm ² | |
| | 3. 0.06 N/mm ² s | |
| | 4. 0.022 N/mm ² | |
| | Note: For this question, discrepancy is found in question/answer. Fawarded to all candidates. | ull Marks is being |
| | | Question ID : 931207193 |
| | | Chosen Option : 2 |
| Q.73 | In a penetration test to determine bearing capacity of soil, Penetration Number indicate to cause penetration of a split-spoon sampler into the soil under test by mean through | 2 - ON MATHER DO DO SAN AND S |
| | TOTAL PARAMETER STATE OF THE ST | (2) |
| Ans | 1. 300 mm, 75 kg, 500 mm | |
| | 1. 300 mm, 75 kg, 500 mm 2. 750 mm, 75 kg, 750 mm | 55 |
| | Security (1997) | 15 1055 |
| | 750 mm, 75 kg, 750 mm 300 mm, 65 kg, 750 mm | Closs |
| | 750 mm, 75 kg, 750 mm 300 mm, 65 kg, 750 mm 500mm, 65 kg, 300 mm Note: For this question, discrepancy is found in question/answer. F | Full Marks is being |
| | 750 mm, 75 kg, 750 mm 300 mm, 65 kg, 750 mm 500mm, 65 kg, 300 mm | Gull Marks is being |
| | 750 mm, 75 kg, 750 mm 300 mm, 65 kg, 750 mm 500mm, 65 kg, 300 mm Note: For this question, discrepancy is found in question/answer. F | Question ID: 931207199 |
| | 750 mm, 75 kg, 750 mm 300 mm, 65 kg, 750 mm 500mm, 65 kg, 300 mm Note: For this question, discrepancy is found in question/answer. F | |
| | 750 mm, 75 kg, 750 mm 300 mm, 65 kg, 750 mm 500mm, 65 kg, 300 mm Note: For this question, discrepancy is found in question/answer. Fawarded to all candidates. In Triaxial Compression Test on a soil sample to determine its shear strength, compression to the compression t | Question ID : 931207199 Chosen Option : 1 |
| Q.74 | 750 mm, 75 kg, 750 mm 300 mm, 65 kg, 750 mm 500mm, 65 kg, 300 mm Note: For this question, discrepancy is found in question/answer. Fawarded to all candidates. | Question ID : 931207199 Chosen Option : 1 |
| Q.74 | 2. 750 mm, 75 kg, 750 mm 3. 300 mm, 65 kg, 750 mm 4. 500mm, 65 kg, 300 mm Note: For this question, discrepancy is found in question/answer. Fawarded to all candidates. In Triaxial Compression Test on a soil sample to determine its shear strength, compresmutually perpendicular directions and: | Question ID: 931207199 Chosen Option: 1 ssive stresses are applied in three |
| Q.74 | 750 mm, 75 kg, 750 mm 300 mm, 65 kg, 750 mm 500mm, 65 kg, 300 mm Note: For this question, discrepancy is found in question/answer. Fawarded to all candidates. In Triaxial Compression Test on a soil sample to determine its shear strength, compressionately perpendicular directions and: 1. two of the three stresses are increased till the specimen fails while the specimen fail | Question ID : 931207199 Chosen Option : 1 ssive stresses are applied in three the third remains constant |
| Q.74 | 750 mm, 75 kg, 750 mm 300 mm, 65 kg, 750 mm 500mm, 65 kg, 300 mm Note: For this question, discrepancy is found in question/answer. Fawarded to all candidates. In Triaxial Compression Test on a soil sample to determine its shear strength, compressionately perpendicular directions and: 1. two of the three stresses are increased till the specimen fails while the stresses are maintained constant till the stresses are maintained constant till the stresses. | Question ID: 931207199 Chosen Option: 1 ssive stresses are applied in three the third remains constant e specimen fails |
| Q.74 | 750 mm, 75 kg, 750 mm 300 mm, 65 kg, 750 mm 500mm, 65 kg, 300 mm Note: For this question, discrepancy is found in question/answer. Fawarded to all candidates. In Triaxial Compression Test on a soil sample to determine its shear strength, compressionately perpendicular directions and: 1. two of the three stresses are increased till the specimen fails while the specimen fail | Question ID: 931207199 Chosen Option: 1 ssive stresses are applied in three the third remains constant e specimen fails |
| Q.74 | 750 mm, 75 kg, 750 mm 300 mm, 65 kg, 750 mm 500mm, 65 kg, 300 mm Note: For this question, discrepancy is found in question/answer. Fawarded to all candidates. In Triaxial Compression Test on a soil sample to determine its shear strength, compression tutually perpendicular directions and: 1. two of the three stresses are increased till the specimen fails while the stresses are maintained constant till the system. all three stresses are increased till the specimen fails while the system. | Question ID: 931207199 Chosen Option: 1 ssive stresses are applied in three the third remains constant e specimen fails ccimen fails |
| Q.74 | 750 mm, 75 kg, 750 mm 300 mm, 65 kg, 750 mm 500mm, 65 kg, 300 mm Note: For this question, discrepancy is found in question/answer. Fawarded to all candidates. In Triaxial Compression Test on a soil sample to determine its shear strength, compremutually perpendicular directions and: 1. two of the three stresses are increased till the specimen fails while the stresses are maintained constant till the specimen fails while the stresses are increased till the specimen fails while the stresses are increased till the specimen fails while the stresses are increased till the specimen fails while the stresses are increased till the specimen fails while the specimen fails while the stresses are increased till the specimen fails while the specimen fail | Question ID: 931207199 Chosen Option: 1 ssive stresses are applied in three the third remains constant e specimen fails ccimen fails |
| | 750 mm, 75 kg, 750 mm 300 mm, 65 kg, 750 mm 500mm, 65 kg, 300 mm Note: For this question, discrepancy is found in question/answer. Fawarded to all candidates. In Triaxial Compression Test on a soil sample to determine its shear strength, compression tutually perpendicular directions and: 1. two of the three stresses are increased till the specimen fails while the stresses are maintained constant till the system. all three stresses are increased till the specimen fails while the system. | Question ID: 931207199 Chosen Option: 1 ssive stresses are applied in three the third remains constant e specimen fails ccimen fails |



Q.79 Porosity of a soil sample is the ratio of: Ans 1. volume of voids to volume of solids × 2. total volume of sample to volume of voids √ 3. volume of voids to total volume of sample × 4. volume of solids to volume of voids Question ID: 931207172 Chosen Option: 3 Q.80 A freshly cut surface of timber should exhibit: Ans 1. hardness and light/dull colour 2. hardness and should shine X 3. softness and light/dull colour X 4. softness and should shine Question ID: 931207148 Chosen Option: 3 Q.81 Which of the following cases will result in reduction in the bearing capacity of soil? Depth of water table below the base of the footing is equal to or greater than width of the footing ii. Depth of water table below the base of the footing is less than width of the footing. dince Engin Water table is at the level of base of the footing. Water table is above the base of the footing. Ans X 1. Only i × 2. Only iv √ 3. ii, iii and iv X 4. Both iii and iv Question ID: 931207196 Chosen Option: 3 Q.82 Sand replacement method or core cutter method is used to determine: Ans √ 1 in-situ unit weight of soil × 2. permeability of soil X 3. consistency limits of soil X 4. consolidation of soil Question ID: 931207184 Chosen Option: 4

Q.83 In the following typical grain-size distribution curves for soil, curve 'b' indicates:



Ans

X 1. gap graded soil

X 2. predominantly fine grained soil

X 3. poorly graded soil

4. uniform soil

Question ID: 931207175 Chosen Option: 4

Q.84 Which of the following is NOT true about the Direct Shear Test?

Ans



Two types of applications of shear are possible, one is shear stress controlled type and other is shear strain controlled type.



Gradually increasing shear force is applied to the upper half of the shear box.

X

^ 3.

After placing a soil sample in a shear box, a constant vertical force is applied at the top which produces normal stress.

4. Shearing plane is vertical from centre of the specimen.

Question ID: 931207189

Chosen Option : 1

Q.85 Bernoulli's equation is NOT applicable for:

Δns

★ 1. Incompressible flow

√ 2. Rotational flow

X 3. One dimensional flow

X 4. Flow of ideal fluid with zero viscosity

Question ID: 931207207

| | What is the required duration for seasoning | of stone? | |
|------|---|--|--|
| ns | X 1. 8 to 12 hours | | |
| | ✓ 2. 6 to 12 months | | |
| | × 3. 1 to 2 months | | |
| | X 4. 7 to 10 days | | |
| | | | |
| | | Question ID: 931207152 Chosen Option: 3 | |
| | | | |
| .87 | A particle passes through a 4.75 mm IS sieve and retained on a | 0.075 mm IS sieve is called as: | |
| ıns | X 1. clay | | |
| | × 2. silt | | |
| | ✓ 3. sand | | |
| | X 4. gravel | 25 | |
| | | 5 | |
| | | Question ID: 931207174 Chosen Option: 3 | |
| | | | |
| 2.88 | Which of the following is exclusively a field test to deter | rmine shear strength of soil? | |
| Ans | ★ 1. Direct shear test | | |
| | × 2. Triaxial compression test | | |
| | ➤ 3. Unconfined compression test | 200 | |
| | ✓ 4. Penetration test | | |
| | * Pelletration test | | |
| | | Question ID : 931207188 | |
| | | Chosen Option : 3 | |
| .89 | A layer of soft clay is 6m thick and lies under a newly constructed building. T | The weight of sand overlying the clayey | |
| | layer produces a pressure of 250 kN/m ² and the new construction increase | | |
| Ans | compression index is 0.5 and the void ratio is 1, the consolidation settlement will 1. 22.6 cm | 1 be 1ake *6510 1.12 5.55 | |
| | × 2. 20 cm | | |
| | 1. 22.6 cm × 2. 20 cm × 3. 8.8 cm | | |
| | 3. 8.8 CIII | | |
| | 4 12 | | |
| | ✓ 4. 12 cm | | |
| | ✓ 4. 12 cm | Question ID: 931207181 | |

Q.90 The type of cement which contains admixtures which decreases wetting ability of cement grains is:

Ans

- √ 1. hydrophobic cement
- × 2. rapid hardening cement
- X 3. quick setting cement
- X 4. expanding cement

Question ID: 931207150

Chosen Option: 4

Section: Quantitative Aptitude & Logical Ability

Q.1 A dealer marks his goods 25% above the cost price and gives a discount of 8%. Find the profit percentage.

Ans

- 1. 15%
- X 2. 10%
- X 3. 17%
- X 4. 25%

Question ID: 931207232 Chosen Option: 1

Find value of $\tan^2 30 + \sin^2 45$.

Ans

- 1. $\frac{\sqrt{3}}{\sqrt{2}}$
- 2. $\frac{3}{2}$
- 3. $\frac{2}{3}$
- 4. $\frac{\sqrt{2}}{\sqrt{3}}$

Note: For this question, discrepancy is found in question/answer. Full Marks is being awarded to all candidates.

Question ID: 931207239

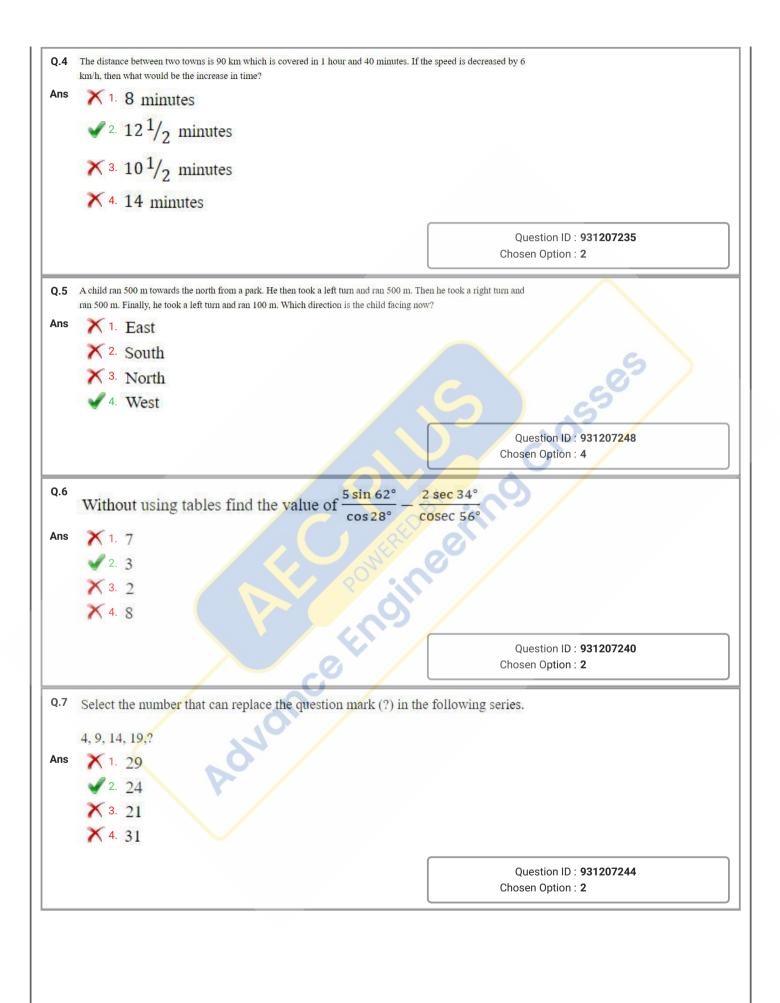
Chosen Option: 4

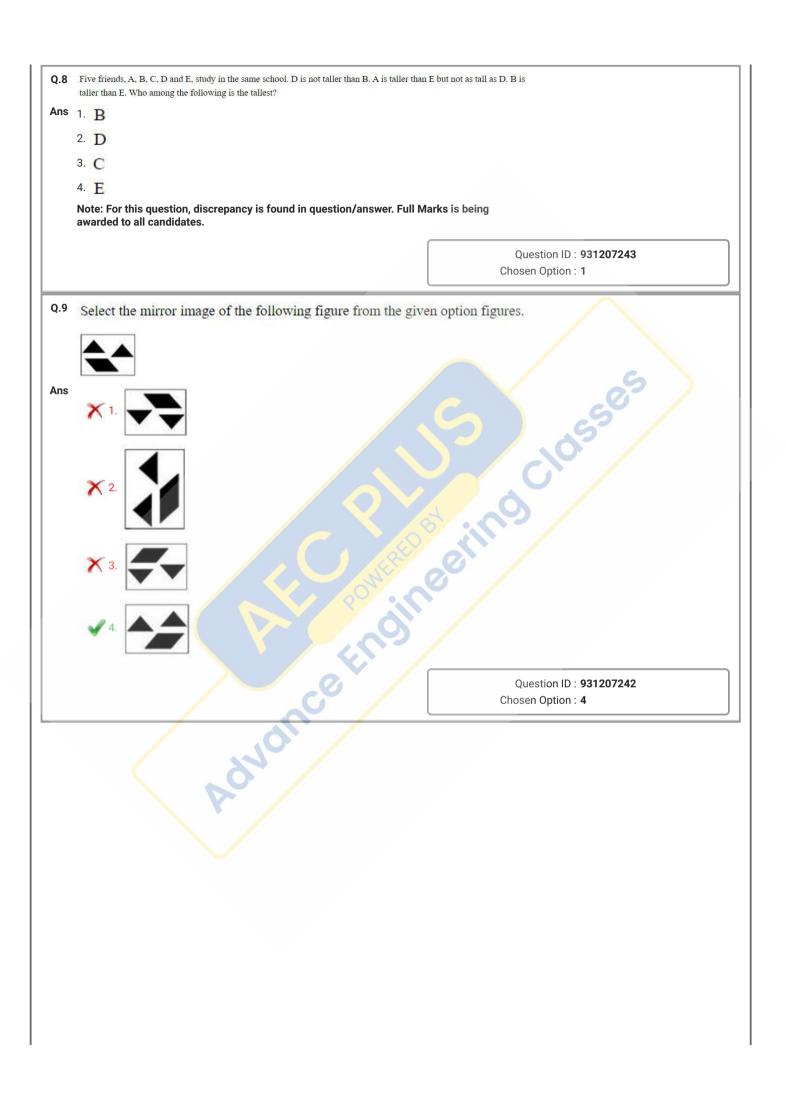
Q.3 If a - b = 2 and ab = 24, then find $a^2 + b^2$.

Ans

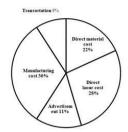
- **1**. 52
- X 2. 48
- X 3. 46
- X 4. 54

Question ID: 931207237





Q.10 The following pie chart shows the percentage distribution of expenditure incurred in manufacturing a certain product 'X'. Study the pie chart and answer the given question.



The price of product 'X' is marked 25% above the C.P. If the marked price of the product is ₹200, then what is the approximate manufacturing cost?

Ans

X 1. ₹35

2. ₹48

X 3. ₹50

X 4. ₹45

Question ID: 931207245 Chosen Option: 2

Q.11 If '+' means 'divided by', '-' means 'add', 'x' means 'minus' and '+' means 'multiplied by', then what will be the value of the following expression?

 $[\{(15 \times 3) \div 2\} + (3-3)]/2$

- Ans 1. 8
 - 2. 4
 - 3. 6

Note: For this question, discrepancy is found in question/answer. Full Marks is being awarded to all candidates.

Question ID: 931207241

Chosen Option: 4

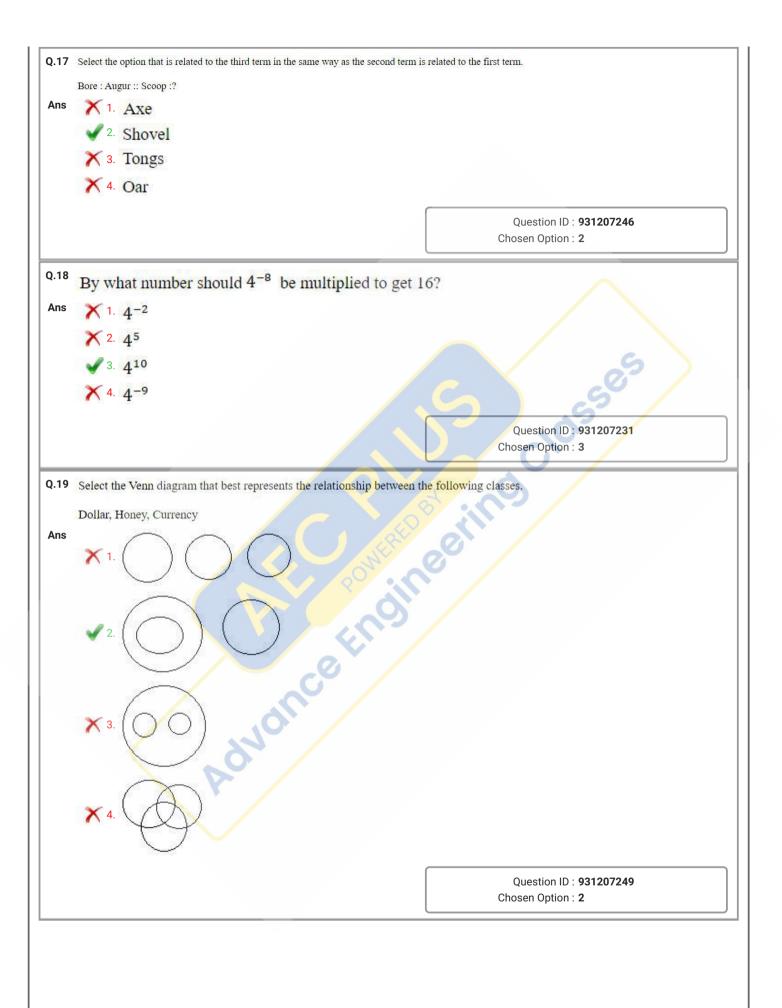
Q.12 A wire is bent to form the shape of a rectangle whose length is 45 cm and breadth 29 cm. If the same wire is bent to form a square, then what would be the area of the square so formed?

Ans

- √ 1. 1369 cm²
- X 2. 1325 cm² X 3. 1296 cm²
- X 4. 1310 cm²

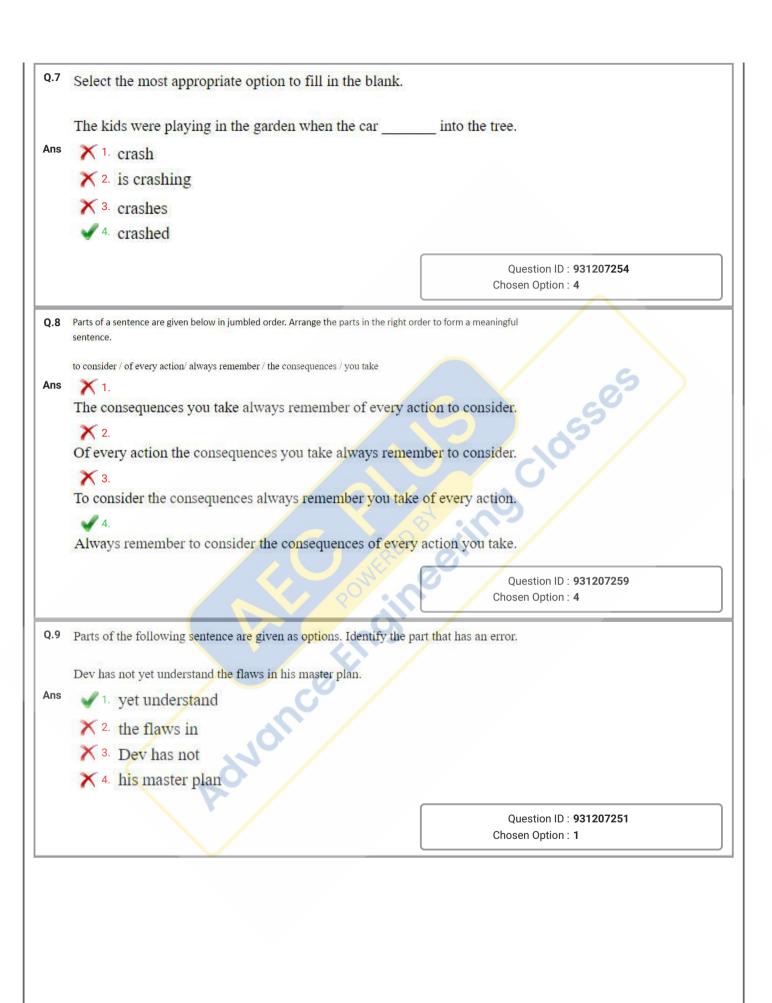
Question ID: 931207236

Q.13 Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the odd Ans 1 ABCI X 2. QRSU X 3. LMNP X 4. BCDF Ouestion ID: 931207250 Chosen Option: 1 Q.14 Observe the following triangle and find $\sin\theta$ and $\sin\Phi$ (Angle ACB = θ and angle COB = Φ) when BD = 6, BC = Ans 1. 15/17 and 3/4 2. 15/17 and 4/5 3. 8/17 and 8/9 4. 6/17 and 4/5 Note: For this question, discrepancy is found in question/answer. Full Marks is being awarded to all candidates. Question ID: 931207238 Chosen Option: 2 Q.15 A sum of money invested @ 5% for 3 years yields ₹2,175 and the same if invested @ 8% for 5 years yields ₹5,800. Find the sum. Ans 1. ₹14,500 2. ₹12,000 3. ₹13,400 4. ₹15,200 Note: For this question, discrepancy is found in question/answer. Full Marks is being awarded to all candidates. Question ID: 931207233 Chosen Option: 1 Q.16 In a certain code language, 'HOCKEY' is written as 'IQFOJE'. How will 'CRICKET' be written as in that language? X 1. DTNIRMC × 2. DTKFOJZ √ 3. DTLGPKA X 4. DTMHQLB Question ID: 931207247 Chosen Option: 3



| X 1. 22 X 2. 24 ✓ 3. 25 X 4. 27 | Question ID : 931207234 |
|--|---|
| √ 3. 25 | Question ID : 931207234 |
| | Question ID : 931207234 |
| X 4. 27 | Question ID : 931207234 |
| | Question ID : 931207234 |
| | |
| | Chosen Option : 3 |
| n : General English | |
| Select the most appropriate meaning of the idiom underlined in t | the given sentence. |
| The Lilies <u>bloom once in a blue moon</u> . | |
| √ 1. a rare occurrence | |
| × 2. frequent incident | cses cses |
| ★ 3. a shade of the moon | 5 |
| ★ 4. a sign of bad luck | 100 |
| | 0.0000000000000000000000000000000000000 |
| | Question ID : 931207258 Chosen Option : 1 |
| Meena was peeling the potatoes. 1. The potatoes were being peeled by Meena. 2. The potatoes are being peeled by Meena. 3. The potatoes were peeled by Meena. 4. The potatoes are peeled by Meena. | |
| , John | Question ID : 931207252 Chosen Option : 1 |
| Parts of the following sentence are given as options. Identify the pa | art that has an error. |
| He moves far away from the cottage after the accident | |
| NAME OF TAXABLE PARTY O | |
| AT DESTRUCTION OF THE PROPERTY OF | |
| | |
| | |
| - 1. 0145775 to the of € 000 \$750, Te | |
| | Question ID: 931207257 |
| | ✓ 1. a rare occurrence ✗ 2. frequent incident ✗ 3. a shade of the moon ✗ 4. a sign of bad luck Select the option that expresses the given sentence in Meena was peeling the potatoes. ✓ 1. The potatoes were being peeled by Meena. ✗ 2. The potatoes are being peeled by Meena. ✗ 3. The potatoes were peeled by Meena. ✗ 4. The potatoes are peeled by Meena. ✗ 4. The potatoes are peeled by Meena. |

Q.4 Select the most appropriate synonym of the given word. HUMBLE Ans X 1. arrogant ✓ 2. modest X 3. proud X 4. haughty Question ID: 931207255 Chosen Option: 2 Q.5 Select the option that expresses the given sentence in indirect speech. Remy asked Tej, "Did you speak to Stella?" Ans 1. Remy asked Tej if he was speaking to Stella. 2. Remy asked Tej if he spoke to Stella. 3. Remy asked Tej whether he had spoken to Stella. 4. Remy asked Tej whether he has spoken to Stella. Question ID: 931207253 Chosen Option: 3 Q.6 Select the most appropriate ANTONYM of the given word. dyoince find FIGHT X 1. battle 2. truce X 3. quarrel X 4. clash Question ID: 931207256 Chosen Option: 2



Q.10 Select the option that can be used as a one-word substitute for the given phrase. The study of celestial bodies X 1. entomology X 2. sociology 3. astronomy X 4. geology Ouestion ID: 931207260 Chosen Option: 3 Section: General Awareness Q.1 The book 'Mind Master: Winning Lessons from a Champion's Life' is co-authored by: X 1. VVS Laxman X 2. Satya Nadella X 3. Barack Obama Viswanathan Anand Question ID: 931207268 Chosen Option: 4 Q.2 Which of the following won the Safaigiri Award, 2019, for creating awareness and infrastructure in health and sanitation? Ans ★ 1. Global Interfaith WASH Alliance 2. Water Literacy Foundation (WLF) and Ayyappa Masagi √ 3. Hindustan Unilever X 4. Siruthuli (an NGO) Question ID: 931207278 Chosen Option: --Q.3 Which of the following is defined as the number of females per 1000 males in the population? X 1. Death rate √ 2. Sex ratio X 3. Sex index X 4. Birth rate Question ID: 931207265 Chosen Option: 2

Ishwar Chandra Vidyasagar emphasised on: Ans X 1. women employment × 2. family planning √ 3. widow remarriage X 4. abolition of dowry system Ouestion ID: 931207277 Chosen Option: 3 Q.5 IMPS, NEFT and RTGS are three platforms that enable instant money transfers. What is the full form of NEFT? Ans Nominal Electronic Funds Transfer × 2. National Electronic Foreign Transaction ✓ 3. National Electronic Funds Transfer * 4. National Emergency Funds Transfer Question ID: 931207262 Chosen Option: 3 Q.6 Which of the following is NOT a step in drinking water treatment? Ans X 1. Coagulation and flocculation X 2. Sedimentation √ 3. Decantation X 4. Disinfection Question ID: 931207273 Chosen Option: 3 'Chemically, these soils are rich in lime, iron, magnesia and alumina. They also contain potash. But they lack in phosphorous, nitrogen and organic matter.' Name the soil type. Ans X 1. Arid soil X 2. Laterite soil √ 3. Black soil X 4. Alluvial soil Question ID: 931207275 Chosen Option: --

Q.8 Shown here is the image of the Meenakshi temple. Where is it located?



Ans

X 1. Tejpur, Assam

X 2. Puri, Odisha

3. Madurai, Tamil Nadu

X 4. Tirupati, Andhra Pradesh

Question ID: 931207261 Chosen Option: 3

Q.9 Which of the following players received the Lifetime Achievement Award in Sports in September 2019?

- Ans 1. Pulella Gopichand
 - Sunil Chhetri
 - Manuel Fredricks
 - Smriti Mandhana

Note: For this question, discrepancy is found in question/answer. Full Marks is being awarded to all candidates.

> Question ID: 931207270 Chosen Option: 2

Q.10 Bonalu is a Hindu festival of Telangana where Goddess is worshipped.

Ans

1. Mahakali

X 2. Saraswati

X 3. Durga

X 4. Lakhsmi

Question ID: 931207271

Chosen Option: 1

Q.11 Name the country that shares its borders with the Indian states of Nagaland, Mizoram, Arunachal Pradesh and Manipur and whose present capital is Naypyidaw.

Ans

1 Myanmar

X 2. Bhutan

X 3. China

X 4. Indonesia

Question ID: 931207266

| Q.12 | The motion of a swing is an example of | motion. | |
|------|---|--|--|
| Ans | 1. rectilinear 2. curvilinear | | |
| | | | |
| | ✓ 3. oscillatory | | |
| | × 4. rotatory | | |
| | | Question ID : 931207263 | |
| | | Chosen Option : 3 | |
|).13 | What is the full form of UNEP? | | |
| Ans | ★ 1. United Nations Educational Programme | | |
| | × 2. United Nations Economic Programme | | |
| | X 3. United Nations Environment Project | 6 | |
| | ✓ 4. United Nations Environment Programme | 600 | |
| | | Question ID: 931207274 Chosen Option: 1 | |
| 2.14 | What is the type of farming that relies on crop rotation, green manure, compost, biologic | a <mark>l pest control and</mark> mechanical | |
| Ans | ✓ 1. Organic farming | 4 . 109 | |
| | ➤ 2. Vertical farming | | |
| | X 3. Multicrop farming ✓ | 0 | |
| | × 4. Polyhouse farming | | |
| | Tolyhouse laining | | |
| | | Question ID : 931207276 Chosen Option : 3 | |
|).15 | UCI World Championships is a event. | | |
| Ans | × 1 3 1 1 | | |
| | × 2. boating | | |
| | | | |
| | ✓ 3. cycling | | |
| | ✓ 3. cycling✓ 4. boxing | | |

| | SALORE SURVINE TITLE RESIDENCE TO SURVEY TO IT. | |
|-------------|---|---|
| Q.16 | Curd (yogurt) is rich in: | |
| Ans | X 1. iron and sulphur | |
| | ✓ 2. calcium and phosphorus | |
| | X 3. sodium and chlorine | |
| | × 4. potassium and magnesium | |
| | | |
| | | Question ID : 931207264 Chosen Option : 2 |
| | | Gridden Spilon. 2 |
| | In which Schedule of the Constitution of India would one find the Union I | List, State List and Concurrent List? |
| Ans | X 1. Tenth Schedule | |
| | × 2. Second Schedule | |
| | X 3. Fifth Schedule | |
| | ✓ 4. Seventh Schedule | |
| | | Question ID : 931207269 |
| | | Chosen Option : 3 |
| Q.18 | The Congress-League Scheme, 1916, is also | known as the |
| Ans | | Allowing the. |
| | X 1. Kanpur pact | 100 in 100 |
| | √ 2. Lucknow pact | |
| | → 3. Delhi pact | |
| | ★ 4. Allahabad pact | |
| | | Question ID : 931207267 |
| | | Chosen Option : 4 |
| | | |
| Q.19 Ans | X 1 00 | compulsory education for children? |
| | × 2. 68 | |
| | 1. 98 ★ 2. 68 ★ 3. 290 ★ 4. 45 | |
| | ✓ 4. 45 | |
| | | |
| | | Question ID : 931207279 Chosen Option : 4 |
| | | |

Q.20 Which of the following is NOT true about ROM?

Ans

X 1. It is cheaper than RAM

× 2. It is static and does not require refreshing

X 3. It is easy to test

✓ 4. It is volatile in nature

Question ID: 931207272

