

Q.1) In adverse circumstances, the reinforced concrete member immersed in sea water or subjected to sea spray, the maximum permissible cover for the reinforcing bars, should not exceed

- A. 50 mm
- B. 60 mm
- C. 70 mm
- D. 75 mm

Q.2) Match List-I (Grade of cement & Age) with List II (Compressive strength in N/mm²) and select the correct answer using the code given below the lists:

List-1	List-2
A. Grade 33 (7 days)	1.27
B. Grade 43 (28 days)	2.43
C. Grade 53 (3 days)	3.22
D. Grade 43 (7 days)	4.33

Codes:

- A. A-4, B-2, C-1, D-3
- B. A-3, B-2, C-1, D-4
- C. A-4, B-1, C-2, D-3
- D. A-3, B-1, C-2, D-4

Q.3) If a column is subjected to dead load and super imposed load only, the maximum ratio should not be greater than

- A. 180
- B. 250
- C. 350
- D. 400

Q.4) Match List - I (Job Requirement) with List - II (Type of Cement Binder) and select the correct answer using the code given below the lists:

List-1	List-2
A. High early strength	1. Pozzolanic cement
B. Lining for canals	2. Rapid hardening
C. Frost & acid resistance	3. Sulphate resisting
D. Marine structure	4. High Alumina

Codes:

- A. A-1, B-4, C-3, D-2
- B. A-2, B-3, C-4, D-1
- C. A-1, B-3, C-3, D-2
- D. A-2, B-4, C-4, D-1

Q.5) The length of pipe is L, velocity of flow of a liquid in the pipe is V. If t is the time in second required to close the valve, the head of pressure

- A. $H = \frac{LV}{gt}$
- B. $H = \frac{Lt}{Vg}$
- C. $H = \frac{LV^2}{Vg}$
- D. None of these

Q.6) An observer standing on the deck of a ship just sees the top of a lighthouse which is 30 m above the sea level. If the height of the observer's eye is 10 m above the sea level, then the distance of the observer from the lighthouse will be nearly.

- A. 22.5 km
- B. 24.3 km
- C. 33.3 km
- D. 59.7 km

Q.7) Pick up the correct definition from the following:

- A. The lateral pressure exerted by the soil when the retaining wall moves away from the back fill, is generally known as active earth pressure of the soil
- B. The lateral pressure exerted by the soil when the retaining wall moves towards the soil, is generally known as 'Passive earth pressure of the soil'
- C. The lateral pressure exerted by the soil when the retaining wall has no movement relative to the back fill, is known as 'earth pressure at rest of the soil'
- D. All the above.

Q.8) If W and L are the total superimposed load and the span of a plate girder in meters, the approximate self weight (W) of the girder, is taken as

- A. $M = \frac{WL}{100}$
- B. $M = \frac{WL}{200}$
- C. $M = \frac{WL}{400}$
- D. $M = \frac{WL}{350}$

Q.9) A very comfortable type of stairs is

- A. straight
- B. dog legged
- C. geometrical
- D. open newel.

Q.10) Two closely coiled helical springs 'A' and 'B' are equal in all respects but the number of turns of spring 'A' is half that of spring 'B'. The ratio of deflections in spring 'A' to spring 'B' is

- A. 1/8
- B. 1/4
- C. 1/2
- D. 2

Q.11) The maximum deflection of a simply supported beam of length L with a central load W, is

- A. $\frac{WL^2}{48EI}$
- B. $\frac{W^2L}{24EI}$
- C. $\frac{WL^3}{48EI}$
- D. $\frac{WL^2}{8EI}$

Q.12) When plates are exposed to weather, tacking rivets are provided at a pitch in line not exceeding

- A. 8t
- B. 16t
- C. 24t
- D. 32t

Q.13) The outstand of stiffeners should be (where t is the thickness of flat).

- A. 6t
- B. 8t
- C. 10t
- D. 12t

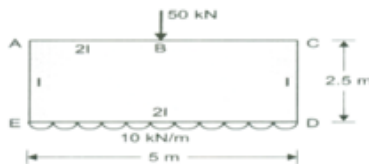
Q.14) In residential buildings, the rise of a stair may vary between

- A. 100 mm to 150 mm
- B. 150 mm to 200 mm
- C. 200 mm to 250 mm
- D. 250 mm to 300 mm

Q.15) Equivalent passenger car unit in unit time of a truck is

- A. 0.5
- B. 1.0
- C. 3.0
- D. 6.0

Q.16) The distribution factors for members AE and AC of the box section are



- A. 0.5 and 0.5
- B. 0.6 and 0.4
- C. 0.25 and 0.5
- D. 1 and 0

Q.17) While measuring the area of a plan using a planimeter the following readings were taken. If the anchor point was outside the plan and zero mark of disc crossed once by the index in clockwise direction, the area of map is

Given Multiplying constant = 100 cm²

Initial reading = 1.378

Final reading = 8.378

- A. 2694.2 cm²
- B. 1700.0 cm²
- C. 694.2 cm²
- D. N. O. A.

Q.18) Match List-I (Method of Traffic Volume Counts) with List-II (Equipment Used) and select the correct answer

List-I	List-II
A. Manual count	1. Video-recorder
B. Combination of manual	2. Pneumatic tube and mechanical methods
C. Automatic devices	3. Watch
D. Photographic method	4. Multiple pen recorder

Codes:

- A. A -4, B-3, C-1, D-2
- B. A -3, B-4, C-2, D-1
- C. A -4, B-3, C-2, D-1
- D. A -3, B-4, C-1, D-2

Q.19) Out of the constituents of cement namely, tricalcium silicate (C₃S), dicalcium silicate (C₂S), tricalcium aluminate (C₃A) and tetracalcium alumina ferrite (C₄AF), which has highest rate of hydration:

- A. C₃A
- B. C₄AF
- C. C₃S
- D. C₂S

Q.20) Self-purification of running streams may be due to

- A. Sedimentation, oxidation and coagulation
- B. Dilution, sedimentation and oxidation
- C. Dilution, sedimentation and coagulation
- D. Dilution, oxidation and coagulation

Q.21) The horizontal angle between the true meridian and magnetic meridian at a place is called

- A. azimuth
- B. declination
- C. local attraction
- D. magnetic bearing

Q.22) Which of the following pairs in respect of ordinary portland cement (OPC) are correctly matched.

Initial setting time..... 30 minutes

Final setting time..... 10 hours

Normal consistency..... 10 %

Select the correct answer from the codes given below:

- A. 1, 2, and 3
- B. 2 and 3
- C. 1 and 2
- D. 1 and 3

Q.23) The ratio of the inertia and gravitational force acting in any flow, ignoring other forces, is called

- A. Euler number
- B. Frode number
- C. Reynold number
- D. Weber number.

Q.24) If d is distance between the flange angles of a plate girder, vertical stiffeners are provided at a distance not greater than

- A. d but not less than 0.20 d
- B. 1.25 d but not less than 0.33 d
- C. 1.5 d but not less than 0.33
- D. 2.0 d but not less than 0.50 d

Q.25) If a solid shaft is subjected to a torque T at its end such that maximum shear stress does not exceed f the diameter of the shaft will be

- A. $\frac{16 T}{\pi f s}$
- B. $\sqrt{\frac{16 T}{\pi f s}}$
- C. $\sqrt[3]{\frac{16 T}{\pi f s}}$
- D. none of these

Q.26) The following three stages are known to occur 4. in the biological action involved in the process of sludge digestion:

1. Acid fermentation
2. Alkaline fermentation
3. Acid regression

The correct sequence of these stages is

- A. 1, 2, 3
- B. 2, 3, 1
- C. 3, 1, 2
- D. 1, 3, 2

Q.27) As the elastic limit reaches, tensile strain

- A. increases more rapidly
- B. decreases more rapidly
- C. increases in proportion to the stress
- D. decreases in proportion to the stress

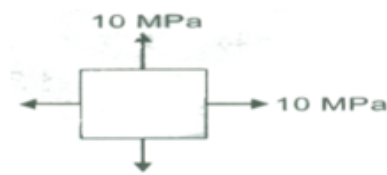
Q.28) If percentage reduction in area of a certain specimen made of material 'A' under tensile test is 60% and the percentage reduction in area of a specimen with same dimensions made of material 'B' is 40%, then

- A. The material A is more ductile than material B
- B. The material B is more ductile than material A
- C. The ductility of material A and B is equal
- D. The material A is brittle and material B is ductile

Q.29) For which one of the following purposes is the double mass curve used?

- A. Checking on the consistency of precipitation records
- B. Prediction of annual precipitation
- C. Defining which periods of storm should be analyzed to obtain the maximum useful information from storm rainfall records
- D. For estimating the capacity of a reservoir.

Q.30) What is the diameter of mohr's circle of stress for the state of stress shown above?



- A. 20
- B. $10\sqrt{2}$
- C. 10
- D. Zero

Q.31) For carrying out bituminous patch work during the rainy season, the most suitable binder is

- A. road tar
- B. hot bitumen
- C. cutback bitumen
- D. bituminous emulsion

Q.32) The height of the sink of wash basin above floor level is kept

- A. 60 cm
- B. 70 cm
- C. 75 cm to 80 cm
- D. 80 cm

Q.33) When was the water (Prevention and Control of Pollution). Act enacted by the Indian Parliament?

- A. 1970
- B. 1974
- C. 1980
- D. 1985

Q.34) Anti-siphonage pipe is connected to

- A. Main soil pipe
- B. Bottom of P trap W.C.
- C. Top of P trap W.C.
- D. Side of water closet.

Q.35) Cohesion is 15 kN/m^2 , the unit weight of soil is 20 kN/m^3 , the factor of safety is 1.5 and stability number is 0.05; the safe maximum height of the slope is

- A. 5.0 m
- B. 8.0 m
- C. 10.0 m
- D. 12.0 m

Q.36) Isohytes are the imaginary lines joining the points of equal

- A. Pressure
- B. height
- C. Humidity
- D. rainfall

Q.37) For stream function $\Psi = 3x^2 - y^3$, the magnitude of velocity at the point (2, 1) is

- A. 12.37
- B. 12
- C. 13
- D. 13.5

Q.38) If B is the width of formation, d is the height of the embankment, side slope S:1, for a highway with no transverse slope, the area of cross-section is

- A. $B \div d + Sd$
- B. $B \div d + Sd^2$
- C. $B \times d + Sd^{1/2}$
- D. $1/2 (Bd + Sd^2)$

Q.39) If the stream function is $\Psi = 2xy$, then the velocity at a point (1, 2) is equal to

- A. 2
- B. 4
- C. $\sqrt{20}$
- D. 16

Q.40) The value of bulk modulus of a fluid is required to determine

- A. Reynolds number
- B. Froude's number
- C. Mach number
- D. Eulers number.

Q.41) California Bearing Ratio (CBR) is a :

- A. measure of soil strength
- B. method of soil identification
- C. measure to indicate the relative strengths of paving materials
- D. measure of shear strength under lateral confinement

Q.42) High alumina cement is produced by fusing together of mixture of

- A. Limestone and bauxite
- B. Limestone, bauxite and gypsum
- C. Limestone, gypsum, and clay
- D. Limestone, gypsum bauxite, clay and chalk

Q.43) A good brick when immersed in water bath for 24 hours, should not absorb more than

- A. 20% of its dry weight
- B. 30% of its saturated weight
- C. 10% of its dry weight
- D. 20% of its saturated weight

Q.44) The slope of the outlet of P trap' below the horizontal is kept

- A. 8°
- B. 10°
- C. 12°
- D. 14°

Q.45) The approximate proportion of dry cement mortar required for brick work is

- A. 60%
- B. 45%
- C. 30%
- D. 10%

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Q.46) Match List-I (Type of cement) with List-II (Characteristics) and select the correct answer using the codes given below the lists:

List-I	List-II
A. Ordinary portland cement	1. The percentage of C3S is maximum and is of the order cement of 50%
B. Rapid hardening cement	2. The percentages of C2S and C3S are the same and of the order of 40%
C. Low heat cement	3. Reacts with silica during burning and causes particles to unite together and development of strength
D. Sulphate resistant cement	4. Preserves the form of bricks at high temperature and prevents shrinkage.

Codes:

- A. A-2, B-4, C-1, D-3
 B. A-3, B-1, C-4, D-2
 C. A-2, B-1, C-4, D-3
 D. A-3, B-4, C-1, D-2

Q.47) The theory of infiltration capacity was given by

- A. Merrill Bernard
 B. W.W. Horner
 C. Le-Roy K. Shermen
 D. Robert E. Horten.

Q.48) Consider the following oxides:

1. Al_2O_3
 2. CaO
 3. SiO_2

The correct sequence in increasing order of their percentage in an ordinary portland cement is

- A. 2, 1, 3
 B. 1, 3, 2
 C. 3, 1, 2
 D. 1, 2, 3

Q.49) The curve composed of two arcs of different radii having their centres on the opposite side of the curve, is known

- A. a simple curve
 B. a compound curve
 C. a reverse curve
 D. a vertical curve.

Q.50) A web plate is called unstiffened if the ratio of clear depth to thickness is less than

- A. 35
 B. 50
 C. 60
 D. 85

Q.51) The portion of the brick without a triangular corner equal to half the width and half the length, is called

- A. closer
 B. queen closer
 C. king closer
 D. squint brick.

Q.52) Match List-I with List-II and select the correct answer using the codes given below the lists:

List-I	List-II
A. Fineness of cement	1. Le - chatelier apparatus
B. Setting time	2. Vicat's needle
C. Soundness	3. Air permeability apparatus
D. Workability	4. Slump cone

Codes:

- A. A-1, B-2, C-3, D-4
 B. A-3, B-1, C-4, D-2
 C. A-3, B-2, C-1, D-4
 D. A-1, B-4, C-3, D-2

Q.53) The term frog means

- A. an apparatus to lift the stone
 B. a depression on a face of brick
 C. vertical joint in a brick work
 D. soaking brick in water

Q.54) Consider the following steps:

1. Calculation of a L and a D
2. Correction of latitudes and departures.
3. Calculation of bearings.
4. Calculation of interior angles.
5. Calculation of independent angles.

The correct sequence of these steps in Gale's traverse table calculations is

- A. 3, 4, 5, 2, 1
 B. 4, 3, 1, 2, 5
 C. 2, 1, 3, 4, 5
 D. 4, 3, 5, 2, 1

Q.55) For construction of structures under water, the type of lime used, is

- A. hydraulic lime
 B. fat lime
 C. quick lime
 D. pure lime

Q.56) Cappelotti weir is a

- A. rectangular weir whose length is kept 3 times the height of the water above sill
 B. triangular weir whose notch angle is 90
 C. Trapezoidal weir, whose sides slope 1 horizontal to 2 verticals
 D. a combination of rectangular and triangular weirs.

Q.57) The Trap used for a water closet is called

- A. gully trap
 B. p-trap
 C. intercepting trap
 D. anti-siphon trap

Q.58) The temperature range in a cement kiln is

- A. 500 to 1000 C
 B. 1000 to 1200 C
 C. 1300 to 1500 C
 D. 1600 to 2000 C

Q.59) In a plane strain problem in XY plane, the shear strain = 12×10^{-6} , and the normal strain in X and Y direction = 0, For this state of strain, what is the diameter of the Mohr's Circle of strain?

- A. 6×10^{-6}
 B. 8×10^{-6}
 C. 12×10^{-6}
 D. 24×10^{-6}

Q.60) The bricks which are extensively used for basic refractories in furnaces are

- A. Chrome bricks
 B. Silimanite bricks
 C. Magnesite bricks
 D. Fosterite bricks

Q.61) A bar of length l is uniformly tapering from a diameter d₁ at one end to a diameter d₂ at the other end. The bar is subjected to an axial tensile loads. What is the total elongation (where E = Young's modulus of elasticity.)

- A. $\frac{4PI}{\pi E d_1 d_2}$
 B. $\frac{4PI^2}{\pi E d_1 d_2}$
 C. $\frac{4PI^2}{\pi E d_1^2 d_2}$
 D. $4 + \frac{4PI}{\pi E d_1 d_2}$

Q.62) As per IS : 456 1978, the permissible value of bond stress for M15 grade of concrete is

- A. 0.5N/mm² B. 1N/mm²
 C. 1.5N/mm² D. 2N/mm²

Q.63) The standard plate size in a plate bearing test for finding modulus of subgrade reaction (k) value is

- A. 100 cm diameter.
 B. 50 cm diameter.
 C. 75 cm diameter.
 D. 25 cm diameter.

Q.64) A flash mixer of 2.0 m³, with a velocity gradient of mixing mechanism equal to 600/s, and fluid absolute viscosity of 1.0 10⁻³ Ns/m² is continuously operated. What is the power input per unit volume?

- A. 360 W
 B. 720 W
 C. 1440 W
 D. 300 W

Q.65) The particle size distribution curves are extremely useful for the classification of

- A. fine grained soils
 B. coarse grained soils
 C. both coarse grained and fine grained soils
 D. silts and clays

Q.66) Increase in fineness of cement

- A. Reduces the rate of strength development and lead to higher shrinkage
 B. Increase the rate of strength development of reduces the rate of deterioration.
 C. Decreases the rate of strength development and increases the bleeding of cement.
 D. Increases the rate of strength development and leads to higher shrinkage.

Q.67) The specific gravity of paving bitumen as per IS:73-1992 lies between

- A. 1.10 and 1.06
 B. 1.06 and 1.02
 C. 1.02 and 0.97
 D. 0.97 and 0.92

Q.68) Traffic capacity is the:

- A. Ability of roadway to accommodate traffic volume in terms of vehicles/hr
 B. Number of vehicles occupying a unit length of roadway at a given instant expressed as vehicles/km
 C. Capacity of lane to accommodate the vehicles widthwise (across the road)
 D. Maximum attainable speed of vehicles

Q.69) The relationship between Young's modulus of elasticity E, bulk modulus K and Poisson's ratio μ is given by

- A. $E = 2K(1 - 2\mu)$
 B. $E = 3K(1 + \mu)$
 C. $E = 3K(1 - 2\mu)$
 D. $E = 2K(1 + \mu)$

Q.70) Match List I (Composition of raw material used in manufacture of cement) with List II (Component of raw material) and select the correct answer using the code given below the lists:

List-1	List-2
A. 25 %	1. Silica
B. 65 %	2. Calcium oxide
C. 5 %	3. Aluminium oxide
D. 5 %	4. Ferrous and magnesium oxide

Codes:

- A. A-1, B-2, C-3, D-4
 B. A-4, B-3, C-2, D-1
 C. A-1, B-3, C-2, D-4
 D. A-4, B-2, C-3, D-1

Q.71) The range of economical spacing of trusses varies from

where L is span

- A. L/3 to L/5
 B. L/4 to 2L/5
 C. L/3 to L/2
 D. 2L/5 to 3L/5

Q.72) Which of the following statement is correct ?

- A. The centrifugal pump is suitable for large discharge and 586 h d
 B. The centrifugal pump requires less floor area and simp. le foUndcaotign. as compared to reciprocating pump.
 C. The efficiency of centrifugal pump is less as compared to reciprocating pump.
 D. All of the above

Q.73) Least possible value of correction factor for
 i) kinetic energy is zero
 ii) kinetic energy is 1

iii) momentum is zero
 iv) momentum is 1

The correct statement are

- A. (i) and (iii)
 B. (ii) and (iii)
 C. (i) and (iv)
 D. (ii) and (iv)

Q.74) Sonoscope is used for which one of the following?

- A. Checking the accuracy of water meters
 B. Regulating the fire hydrants
 C. As a replacement of venturi meter for discharge measurement
 D. Detection of leakage in underground water mains

Q.75) The time of concentration is defined as

- A. the time taken by rainfall water to run from most distant point of water shed to the inlet of sewer
 B. the time required for flow of water in sewer to the point under consideration
 C. sum of the both of the above
 D. difference of both of the above

Q.76) A quick-setting cement has an initial setting time' of about

- A. 50 minutes
 B. 40 minutes
 C. 15 minutes
 D. 5 minutes

Q.77) Coefficient of velocity for Borda's mouth-piece running full is

- A. 0.611
 B. 0.707
 C. 0.855
 D. 1.00

Q.78) A bar l metre long and having its area of cross-section A, is subjected to a gradually applied tensile load W. The strain energy stored in the bar is

- A. $\frac{WL}{2AE}$
 B. $\frac{WL}{AE}$
 C. $\frac{W^2L}{AE}$
 D. $\frac{W^2L}{2AE}$

Q.79) Alum as a coagulant is found to be most effective when pH range of water is

- A. 2 to 4
 B. 4 to 6
 C. 6 to 8
 D. 8 to 10

Q.80) If p is the internal pressure in a thin cylinder of diameter d and thickness t, the developed hoop stress, is

- A. $\frac{Pd}{t}$
 B. $\frac{Pd}{2t}$
 C. $\frac{4t}{Pd}$
 D. $\frac{2Pd}{t}$

Q.81) The length of a rectangular sedimentation tank should not be more than

- A. B
 B. 2B
 C. 4B
 D. 8B

Q.82) Which of the following are the common problems associated with the operation of rapid sand-filter?

1. Air-binding
 2. Cracking of sand beds
 3. Bumping of filter beds
 4. Mud balls

Select the correct answer using the codes given below:

- A. 1 and 2
 B. 2 and 3
 C. 2, 3 and 4
 D. 1, 2, 3 and 4

Q.83) Select the correct statement

- A. The greater the viscosity, the greater is permeability
 B. The greater the unit weight, the greater is permeability
 C. The greater the unit weight, the smaller is permeability
 D. Unit weight does not affect permeability

Q.84) Match List-I (Property of cement) with List-II (testing apparatus) and select the correct answer:

List-1	List-2
A. Specific gravity	1. Blaine's apparatus
B. Setting time	2. Le chatelier's flask
C. Soundness	3. Compressometer
D. Workability	4. Autoclave
	5. Vicat's apparatus

Codes:

- A. A-3, B-5, C-1, D-2
 B. A-2, B-5, C-1, D-4
 C. A-2, B-5, C-4, D-1
 D. A-5, B-3, C-4, D-1

Q.85) Pegmatite is a/an

- A. intrusive igneous rock
 B. extrusive igneous rock
 C. sedimentary rock
 D. metamorphic rock.

Q.86) For marine works, the best suited cement is

- A. Low heat portland cement
 B. Rapid hardening cement
 C. Ordinary portland cement
 D. Blast furnace slag cement

Q.87) Good quality cement contains higher percentage of

- A. Tricalcium silicate
 B. Di-calcium silicate
 C. Tri-calcium aluminate
 D. Tetra calcium alumino ferrite

Q.88) In general, the depth of plate girder is kept as.....of span.

- A. $\frac{1}{8}$ to $\frac{1}{8}$
 B. $\frac{1}{8}$ to $\frac{1}{10}$
 C. $\frac{1}{10}$ to $\frac{1}{12}$
 D. $\frac{1}{12}$ to $\frac{1}{16}$

Q.89) An angles of 45° with a chain line may be set out with

- A. optical square
 B. open cross staff
 C. Fench cross staff
 D. prismatic square.

Q.90) Select the correct statement

- A. Weber's number is the ratio of inertia force to elastic force.

- B. Weber's number is the ratio of gravity force to surface tension force
 C. Wcber's number is the ratio of viscous force to pressure force.
 D. Weber's number is the ratio of inertia force to surface tension force.

Q.91) In a gradually varied flow

- A. The slopes of energy grade line, hydraulic grade line and bottom of the channel are same
- B. The slopes of energy grade line and hydraulic grade line are same but slope of the bottom of channel is different
- C. The slopes of hydraulic grade line and bottom of channel are same but slope of energy grade line is different
- D. The slope of energy grade line, hydraulic grade line and bottom of channel are all different.

Q.92) To avoid an interruption in the flow of a syphon, an air vessel is provided

- A. at the inlet
- B. at the outlet
- C. at the summit
- D. at any point between inlet and outlet.

Q.93) The critical state of flow in a nonrectangular channel is expressed by

- A. $Y_c = \left(\frac{q^2}{g} \right)^{1/3}$
- B. $\frac{Q^2}{g} = \frac{A^3}{T}$
- C. $\frac{Q^2}{g} = \frac{A^3}{T}$
- D. $\frac{Q^2}{g} = \frac{A}{T^3}$

Q.94) In the truss shown in Fig. 22.8, the force in member BC is

- A. 100t compressive
- B. 100 t tensile
- C. zero
- D. Indeterminate

Q.95) Closed contours, with higher value inwards, represent a

- A. depression
- B. hillock
- C. plain surface
- D. none of the above

Q.96) Which one of the following processes of water softening requires recarbonation?

- A. Lime-soda ash process
- B. Hydrogen - cation exchanger process
- C. Sodium - cation exchanger process
- D. Demineralization

Q.97) Desire lines are plotted in

- A. traffic volume studies
- B. speed studies
- C. accident studies
- D. origin and destination studies

Q.98) Thickness of slab is taken

- A. 0.10 d
- B. 0.20 d
- C. 0.15 d
- D. 0.25 d

Q.99) An imaginary line passing through the optical centre of the objective and the optical centre of the eye-piece in the telescope of a surveying instrument is called the

- A. horizontal axis
- B. line of collimation
- C. optical axis of the telescope
- D. reference axis

Q.100) Four main oxides present in ordinary Portland cement are : CaO , Al_2O_3 , SiO_2 and Fe_2O_3 . Identify the correct ascending order of their proportions in a typical composition of OPC

- A. Al_2O_3 , Fe_2O_3 , CaO , SiO_2
- B. Al_2O_3 , CaO , Fe_2O_3 , SiO_2
- C. Fe_2O_3 , Al_2O_3 , SiO_2 , CaO
- D. Fe_2O_3 , SiO_2 , Al_2O_3 , CaO



Ques. 1 : A

Ques. 2 : B

Ques. 3 : A

Ques. 4 : B

Ques. 5 : A

Ques. 6 : C

Ques. 7 : C

Ques. 8 : C

Ques. 9 : D

Ques. 10 : C

Ques. 11: C

Ques. 12 : B

Ques. 13 : A

Ques. 14: B

Ques. 15 : C

Ques. 16 : A

Ques. 17 : B

Ques. 18 : B

Ques. 19 : B

Ques. 20 : B

Ques. 21 : B

Ques. 22 : C

Ques. 23 : B

Ques. 24 : B

Ques. 25 : C

Ques. 26 : C

Ques. 27 : A

Ques. 28 : A

Ques. 29 : A

Ques. 30 : D

Ques. 31 : D

Ques. 32 : C

Ques. 33 : B

Ques. 34 : C

Ques. 35 : C

Ques. 36 : D

Ques. 37 : A

Ques. 38 : B

Ques. 39 : C

Ques. 40 : C

Ques. 41 : C

Ques. 42 : A

Ques. 43 : A

Ques. 44 : D

Ques. 45 : C

Ques. 46 : B

Ques. 47 : D

Ques. 48 : B

Ques. 49 : C

Ques. 50 : D

Ques. 51 : D

Ques. 52 : C

Ques. 53 : B

Ques. 54 : B

Ques. 55 : A

Ques. 56 : C

Ques. 57 : B

Ques. 58 : C

Ques. 59 : C

Ques. 60 : C

Ques. 61 : A

Ques. 62 : B

Ques. 63 : C

Ques. 64 : A

Ques. 65 : C

Ques. 66 : D

Ques. 67 : C

Ques. 68 : A

Ques. 69 : C

Ques. 70 : A

Ques. 71 : A

Ques. 72 : C

Ques. 73 : D

Ques. 74 : D

Ques. 75 : C

Ques. 76 : D

Ques. 77 : B

Ques. 78 : D

Ques. 79 : C

Ques. 80 : A

Ques. 81 : C

Ques. 82 : D

Ques. 83 : B

Ques. 84 : C

Ques. 85 : A

Ques. 86 : D

Ques. 87 : A

Ques. 88 : C

Ques. 89 : C

Ques. 90 : D

Ques. 91 : D

Ques. 92 : C

Ques. 93 : B

Ques. 94 : C

Ques. 95 : B

Ques. 96 : A

Ques. 97 : D

Ques. 98 : B

Ques. 99 : B

Ques. 100 : C