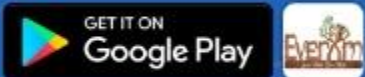




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Daily Class – 7:00 PM

Q : 1) The highest point on a carriage way is known as :

A : Camber

C : Crown

B : Super elevation

D : Gradient

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Daily Class – 7:00 PM

Q : 2) Number of fish bolts per fish plate joining rails are-

A : 2

B : 4

C : 6

D : 8

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Daily Class – 7:00 PM

Q : 3) For a sewer line of 50 cm diameter, the spacing of manhole along straight run would be approximately.

A : 10 m

B : 100 m

C : 500 m

D : 1000 m

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Daily Class – 7:00 PM

Q : 4) Cowl is provided at:

A : Bottom portion of ventilating column

B : Top portion of ventilating column

C : Top portion of manhole

D : At sewer joint

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Daily Class – 7:00 PM

Q : 5) To control vehicle pollution from exhaust of vehicles, following is fitted:

A : Electrostatic precipitator

B : Catalytic converter

C : Bag filter

D : Cyclone separator

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Daily Class – 7:00 PM

Q : 6) As per Indian standard (IS 10500 : 2012) of drinking water specification, pH value should be in range of:

A : 6.5 – 8.0

B : 6.5 – 8.5

C : 6.0 – 8.5

D : 7.0

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Daily Class – 7:00 PM

Q : 7) Sewage system starts from

A : House sewers

B : Lateral sewers

C : Branch sewers

D : Main sewers

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Daily Class – 7:00 PM

Q : 8) The effective length of a steel column, effectively held in position and restrained against rotation at both ends is:

A : $0.80 L$

B : $1.0 L$

C : $0.65 L$

D : $0.5 L$

Where L : Length of column

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Daily Class – 7:00 PM

Q : 9) The member of roof truss which supports the purlins is called as :

A : Sag rod

B : Main strut

C : Principal rafter

D : Principal tie

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Daily Class – 7:00 PM

Q : 10) As per Indian standard specifications, concrete should be cured under a humidity of

A : 10%

B : 50%

C : 75%

D : 90%

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Daily Class – 7:00 PM

Q : 11) In a singly reinforced beam, if the permissible stress in concrete reaches earlier than the permissible stress in steel, the beam section is called

A : Under reinforced section

B : Over reinforced section

C : Balanced section

D : Economic section

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Daily Class – 7:00 PM

Q : 12) For the deflection of simply supported beam of 8 m span to be within permissible limits, the ratio of its span to effective depth should not exceed

A : 7

B : 20

C : 26

D : 8

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Daily Class – 7:00 PM

Q : 13) Shrinkage in concrete slab

A : Causes sheer cracks

B : Causes tension cracks

C : Causes compression cracks

D : Does not cause any cracking

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Daily Class – 7:00 PM

Q : 14) In order to avoid sliding of masonry dam, the force of friction between the dam and soil should be at least _____ the total water pressure per meter length

- A : Equal to**
- B : 1.5 times**
- C : Double**
- D : 2.5 times**

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Daily Class – 7:00 PM

Q : 15) The diameter of longitudinal reinforcement bars of a RCC column should never be less than:

A : 6 mm

B : 8 mm

C : 10 mm

D : 12 mm

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Daily Class – 7:00 PM

Q : 16) A reinforced cement concrete beam can have maximum area of tension reinforcement as

A : $0.06bD$

B : $0.02bD$

C : $0.05bD$

D : $0.04bD$

Where D = overall depth of beam

B = Breadth of beam

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Daily Class – 7:00 PM

Q : 17) The minimum size of one side or diameter of column in reinforced cement concrete structure to make it earthquake resistance should not be less than :

A : 200 mm

B : 250 mm

C : 300 mm

D : 350 mm

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Daily Class – 7:00 PM

Q : 18) The spacing between two successive stirrups (hoops) in reinforced cement concrete beam shall not be less than :

A : 100 mm

B : 125 mm

C : 150 mm

D : 175 mm

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Daily Class – 7:00 PM

Q : 19) The concentration of organic solids in water to be used in reinforced cement concrete contraction should not be more than

A : 50 mg/L

B : 100 mg/L

C : 150 mg/L

D : 200 mg/L

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Daily Class – 7:00 PM

Q : 20) According to Whitney's theory, ultimate strain of concrete is assumed to be

A : 0.03%

B : 0.1%

C : 0.3%

D : 1%

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Daily Class – 7:00 PM

Q : 21) As per IS 456-2000, formula for calculation modular ratio is-

A : $\frac{280}{3\sigma_{cbc}}$

B : $\frac{2800}{3\sigma_{cbc}}$

C : $\frac{3\sigma_{cbc}}{280}$

D : $\frac{280}{\sigma_{cbc}}$

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Daily Class – 7:00 PM

Q : 22) As per IS 456-2000 thickness of flat slab should not be less than

A : 15 cm

B : 12.5 cm

C : 10 cm

D : 8.5 cm

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Daily Class – 7:00 PM

Q : 23) In design of cinema hall width of tread is taken as-

A : 25 to 30 cm

B : 30 to 50 cm

C : 50 to 75 cm

D : 90 to 110 cm

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Daily Class – 7:00 PM

Q : 24) Due to end of circulation of shape or design of property is known as

- A : Uncirculation**
- B : Distress value**
- C : Salvage value**
- D : Scrap value**

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Daily Class – 7:00 PM

Q : 25) In building construction, for one time surcharge for electricity and water is added for the cost of _____% total cost of building.

A : 12%

B : 10%

C : 8%

D : 5%

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Daily Class – 7:00 PM

**Q : 26) In masonry works, while doing
'Rate analysis', water-surcharge is taken
as**

A : 10%

B : 5%

C : 3%

D : 1.5%

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Daily Class – 7:00 PM

Q : 27) If the fore bearing of a line AB is 35° and that of line BC 15° , then the included angle between the lines is

A : 20°

B : 50°

C : 160°

D : 230°

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Daily Class – 7:00 PM

Q : 28) As applied to staff readings the correction for curvature and refraction are respectively

A : + and –

B : - and +

C : + and –

D : - and -

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Daily Class – 7:00 PM

Q : 29) The suitable contour interval for a map with scale 1 : 10,000 is

A : 2m

B : 5 m

C : 10 m

D : 20 m

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Daily Class – 7:00 PM

Q : 30) Least count of 'Prismatic compass'
is _____

A : 1

B : 15

C : 30

D : 45

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Daily Class – 7:00 PM

Q : 31) Minimum angle between axis of weir and canal head regulator is _____

A : 0°

B : 90°

C : 60°

D : 120°

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Daily Class – 7:00 PM

Q : 32) A canal constructed normal to contour lines of area is called _____

A : Contour – canal

B : Watershed – canal

C : Side slope canal

D : Single bank canal

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Daily Class – 7:00 PM

Q : 33) Hydro science (hydrology) cycle is denoted by equation

A : $P = E + R$

B : $P = E - R$

C : $P = E.R$

D : $P = E/R$

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Daily Class – 7:00 PM

Q : 34) The height of Tsunami's wave depends upon _____

A : Monography

B : Seismography

C : Local topography

D : None of above

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Daily Class – 7:00 PM

Q : 35) “Tower” is made _____

A : For floating bridges

B : For swing bridges

C : For archery girder bridges

D : For dot bridges

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Daily Class – 7:00 PM

Q : 36) Penetration test on bitumen is used for determining its

A : Grade

B : Viscosity

C : Ductility

D : Temperature susceptibility

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Daily Class – 7:00 PM

Q : 37) Slope of village roads should be usually less than

A : 1 in 12

B : 1 in 10

C : 1 in 4

D : 1 in 3

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Daily Class – 7:00 PM

Q : 38) The thickness of 'Domer' laid (Roads)- layer in 'Bitumen' roads is-

A : 5 to 10 cm

B : 2 to 3 cm

C : 1 to 2 cm

D : 0.5 to 1.0 cm

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Daily Class – 7:00 PM

Q : 39) One degree of curve is equivalent to

A : $\frac{1600}{R}$

B : $\frac{1700}{R}$

C : $\frac{1750}{R}$

D : $\frac{1800}{R}$

Where R is radius of curve in meter

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Daily Class – 7:00 PM

Q : 40) Bottom most layer of pavement is known as-

A : Wearing course

B : Base course

C : Sub-base course

D : Sub grade

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Daily Class – 7:00 PM

Q : 41) The specific gravity of sewage is-

A : Much greater than 1

B : Slightly less than 1

C : Equal to 1

D : Slightly greater than 1

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Daily Class – 7:00 PM

Q : 42) Standard B.O.D is measured at

A : 20°C – 1 day

B : 25°C – 3 day

C : 20°C – 5 day

D : 30°C – 5 day

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Daily Class – 7:00 PM

Q : 43) In sewer line, at 12 o'clock of day, flow is approximately _____ of average glow.

A : Half

B : Equal

C : Two – times

D : Three – times

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Daily Class – 7:00 PM

Q : 44) Moment of Inertia of circular area having diameter 'D' about re axis is passing through the center of gravity.

A : $\frac{\pi.D^4}{32}$

B : $\frac{\pi.D^4}{48}$

C : $\frac{\pi.D^4}{64}$

D : $\frac{\pi.D^4}{12}$

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Daily Class – 7:00 PM

Q : 45) The group of forces, whose resultant is zero, is called _____

A : Equilibrium force

B : Coplanar force

C : Collinear force

D : Concurrent, force

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Daily Class – 7:00 PM

Q : 46) Two equal and opposite direct force 'f' acting, and then value resulting force will be-

A : $1.414 f$

B : $2 f$

C : Zero

D : $0.707 f$

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Daily Class – 7:00 PM

Q : 47) The moisture content in a well seasoned timber is –

A : Zero

B : 5 to 10%

C : 10 to 12%

D : 15 to 25%

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Daily Class – 7:00 PM

Q : 48) As per IS 269 – 1975 initial setting time of ordinary cement is

A : 15 minute

B : 30 minute

C : 60 minutes

D : 75 minutes

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Daily Class – 7:00 PM

Q : 49) When the plastic limit of a soil is greater than the liquid limit, then the plasticity index is reported as :

A : Negative

B : Zero

C : Non-Plastic (NP)

D : 1

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Daily Class – 7:00 PM

Q : 50) The minimum depth of foundation in clayey soils is

A : 0.5 m

B : 0.7 m

C : 0.9 m

D : 1.20 m

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Daily Class – 7:00 PM

Q : 51) Putty is made up of

A : White lead and turpentine

B : Powdered chalk and raw linseed oil

C : Red lead and linseed oil

D : Zinc oxide and boiled linseed oil

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Daily Class – 7:00 PM

Q : 52) The sloped roof which is sloped in four sides is called as :

A : Shed roof

B : Gable roof

C : Hip roof

D : Mansard roof

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Daily Class – 7:00 PM

Q : 53) The slump test for finding out the workability in concrete the maximum size of aggregate should not exceed

A : More than 20 mm

B : More than 38 mm

C : More than 40 mm

D : More than 53 mm

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Daily Class – 7:00 PM

Q : 54) The most familiar form of Bernoulli's equation is-

A : $\frac{P^1}{W} + Z_1 + \frac{V_1^2}{2g} = \frac{P_2}{W} + Z_2 + \frac{V_2^2}{2g}$

B : $\frac{dp}{\delta} + g \cdot dz + v \cdot dz = 0$

C : $\left[\frac{P}{W} + Z + \frac{V^2}{2g} \right]$ any section = constant head

D : None of these

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Daily Class – 7:00 PM

Q : 55) A rectangular beam of length 'L; supported at its two ends carries a central point load 'W'. The maximum deflection occurred

A : At the ends

B : At $L/3$ from both ends

C : At the center

D : None of above

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Daily Class – 7:00 PM

Q : 56) If, the diameter of rivet is 25 mm or less, diameter of rivet hole will be _____ than the diameter rivet.

A : More than 1.5 mm

B : Less than 1.5 mm

C : More than 2.0 mm

D : Equal

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Daily Class – 7:00 PM

Q : 57) In general the depth of plate girder is kept as _____ of span.

A : $1/5$ to $1/8$

B : $1/8$ to $1/10$

C : $1/10$ to $1/12$

D : $1/12$ to $1/16$

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Daily Class – 7:00 PM

Q : 58) Tensile strength of mild steel is-

A : 1400 to 1800 kg/cm²

B : 1800 to 2500 kg/cm²

C : 4200 to 5400 kg/cm²

D : 5500 to 5700 kg/cm²

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Swaraj Chauhan



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Raza Khan



Tarique Akhter



Deepak Yadav



Vikas Kumar
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