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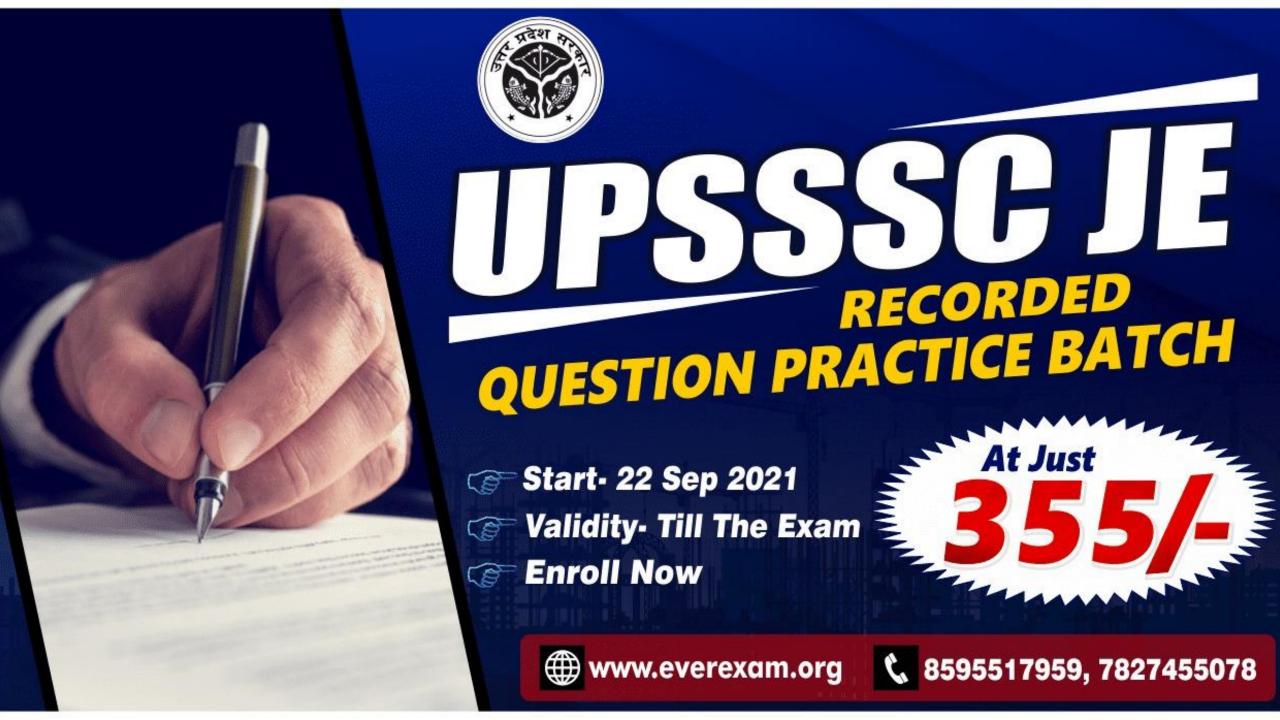


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Daily Class – 7:30 PM

Q:) As per I.S. code, the weight of timber is specified at

A: 8% moisture content

B: 10% moisture content

C: 12% moisture content

D: 14% moisture content



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Daily Class - 7:30 PM

Q:) The weight of the hammer used in the standard penetration test is:

A: 50 kg

B: 60 kg

C: 65 kg

D: 75 kg



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Daily Class – 7:30 PM

Q:) Un-confined compression test is generally applicable to

A: Non-cohesive soil

B: Saturated clays

C: Silt

D: Sandy soil



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Daily Class – 7:30 PM

Q:) The coefficient of discharge, C_d in terms of C_v and C_c is given (notations have their usual meaning)-

$$A: C_d = C_v / C_c$$

$$B: C_d = C_v \times C_c$$

$$\mathbf{C}:\mathbf{C}_{\mathsf{d}}=\frac{C_{\mathsf{d}}}{C_{\mathsf{d}}}$$

D: None of the above



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Daily Class – 7:30 PM

Q:) In a 12cm diameter pipe, the major losses are equal to $5.0 \text{ v}^2/2\text{g}$. The equivalent length of pipe to account for the major losses for f = 0.04 is

A:5m

B:15m

C: 10m

D: 20m



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Daily Class - 7:30 PM

Q:) Discharge Q in a triangular weir varies as-

A: H

 $B : H^{1.5}$

C: H^{0.5}

 $D: H^{2.5}$



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Daily Class – 7:30 PM

- Q:) The correct sequence in the direction of the flow of water for installation of hydropower plant is
- A: Reservoir, surge tank, turbine, penstock
- B: Reservoir, penstock, surge tank, turbine
- C: Reservoir, penstock, turbine, surge tank
- D: Reservoir, surge tank, penstock, turbine



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Daily Class - 7:30 PM

- Q:) Mohr's circle is drawn for
- 1. A point
- 2. A square block
- 3. A rectangular block
- 4. Isotropic material
- The correct answer is-
- A: 1, 2 and 3
- B: 2 and 4
- C: 1 and 4
- D: 2, 3 and 4



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Daily Class – 7:30 PM

Q:) In the design of steel structures, the ratio of the effective length of a member to the radius of gyration of the cross-section about the axis under consideration is called as

A: Modulus of elasticity

B: Slenderness ratio

C: Stress ratio

D : Aspect ratio



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Daily Class – 7:30 PM

Q:) When the water surface level of drain is at high flood level. Higher than the canal bed level. The cross drainage work is called.

A: Super passage

B: Aqueduct

C: Canal syphon

D: Syphon aqueduct



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Daily Class - 7:30 PM

Q:) The safety valve of a dam is its

A: Spillway

B: Inspection gallery

C: Outlet sluices

D: Drainage gallery



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Daily Class – 7:30 PM

Q:) Working out exact quantities of various items of working is known as:

A: Quantity surveying

B: Estimating

C: Valuation

D: All of the above



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Daily Class - 7:30 PM

Q:) The horizontal component of reaction at both lower end of a 3-hinged arch is known as

A: Thrust

B: Pull

C: Bending

D: Shear



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Daily Class – 7:30 PM

Q:) If a quantity A has a weight of 3, then the weight of A/3 will be:

A:28

B: 27

C:24

D:21



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Daily Class – 7:30 PM

Q:) Bowditch rule is applied in the adjustment of

A: Open traverse

B: Closed traverse

C: Local attraction

D: None of the above



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Daily Class – 7:30 PM

Q:) The Indian standard (IS) 800:2007 divides variour compression member cross-sections into how many buckling classes?

A:1

B:2

C:3

D:4



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Daily Class – 7:30 PM

Q:) The effective length of a balanced column can be increases by Of the corresponding effective length of similar laced column.

A:5%

B:8%

C: 15%

D:10%

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Daily Class – 7:30 PM

Q:) Equivalent area of a reinforced cement concrete section is:

 $A: \overline{MA_c} + \overline{A_{sc}}$

 $B: A_c + m A_{sc}$

 $C: A_c + A_{sc}$

D: $(A_c + m A_{sc})\sigma_c$



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Daily Class – 7:30 PM

Q:) For bar in compression, the values of bond stress for bars in tension for M20 grade shall be increased by

A:15%

B: 25%

C:60%

D: None of above



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Daily Class - 7:30 PM

Q:) The maximum number of steps in a flight of a staircase generally should be

A:10

B:12

C: 15

D: No limit



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Daily Class – 7:30 PM

Q:) A water supply scheme is to be designed for an area with over 90% population as lower income group. What should be the water demand (liter per day) considered in designing such system?

A:100

B: 135

C: 150

D:200



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Daily Class – 7:30 PM

- Q:) The dispersion of pollutants in atmosphere is maximum when
- A: Environmental lapse rate is greater than adiabatic lapse rate
- B: Environmental lapse rate is less than adiabatic lapse rate
- C: Environmental lapse rate is equal to adiabatic lapse rate
- D: Maximum mixing depth is equal to zero



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Daily Class - 7:30 PM

Q:) The reference pressure used in the determination of sound pressure level is

A: 20μ pa

B: 20dB

 $C:10\mu$ pa

D: 10dB

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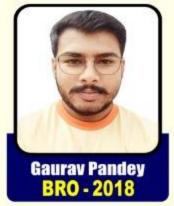
















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