EverExam
Learn More, Earn More

CIVIL ENGINEERING

झारखण्ड सरकार

JHARKHAND SSC JE 2022

LIVE
Online Batch

Daily Live Classes | PDF Notes | Best Content | LiveChat

Course Details

- START - 2 JANUARY 2022
- VALIDITY - 1 YEAR
- DURATION - 200+ HOURS
- ENROLL NOW

ANY QUERIES JUST CALL NOW
8595517959

Download Now
EverExam App
Google play

At Just
~~₹2199/-~~
₹1001/-

EverExam
Learn More, Earn More

CIVIL ENGINEERING

DSSSB JE 2022

LIVE

Online Batch

दिल्ली अधीनस्थ सेवा चयन बोर्ड

Daily Live Classes | PDF Notes | Best Content | LiveChat

Course Details

- START - 2 JANUARY 2022
- VALIDITY - 1 YEAR
- DURATION - 200+ HOURS
- ENROLL NOW

ANY QUERIES JUST CALL NOW
8595517959

Download Now
EverExam App
Google play

At Just
~~₹1599/-~~
₹899/-

Foundation Batch

ALL STATE AE/JE EXAMINATION

At Just
~~₹12000/-~~
₹3199/-

- FULL THEORY BATCH
- VALIDITY - 1 YEAR
- DURATION - 400+ HOURS
- QUESTIONS PRACTICE BATCH
- ENROLL NOW

DOWNLOAD NOW EVEREXAM APP

ANY QUERIES JUST CALL NOW 8595517959

UPPSC AE

Recorded Batch

- VALIDITY - TILL THE EXAM
- DURATION - 250+ HOURS
- ENROLL NOW
- PDF NOTES

At Just

1491/-

ANY QUERIES JUST CALL NOW **8595517959**

DOWNLOAD NOW EVEREXAM APP

IS 456 : 2000 MOST EXPECTED QUESTIONS

For Any Query Call – 8595517959 | Website – everexam.org

Daily Class – 8:00 PM

Q : 1) The Code book used for the storage of liquids for concrete structure is_____.

A : IS 456 : 2000

B : IS 13920 : 1993

C : IS 1893 : 2002

D : IS 3370 : 1965

Q : 2) As per IS : 456 – 2000, in design of flexural members, for curtailment, reinforcement shall extend beyond the point at which it is no resist flexure for a distance equal to _____ whichever is greater, except at simple support or end of cantilever.

A : The effective depth of the member or 12 times the bar diameter

B : The effective depth of the member or 16 times the bar diameter

C : The overall depth of the member or 12 times the bar diameter

D : The overall depth of the member or 16 times the bar diameter

Q : 3) As per IS 456 : 2000, the minimum beam width required for a reinforced concrete beam, for 2 hours of fire exposure is:

A : 250 mm

B : 200 mm

C : 150 mm

D : 300 mm

Q : 4) As per IS : 456 : 2000 in design of footing, the bearing pressure on loaded area shall not exceed the permissible bearing stress in direct compression multiplied by a value equal to _____. (A_1) = supporting area for bearing of footing, A_2 = loaded area at column base

A : $\sqrt{2}\sqrt{\frac{A1}{A2}}$ but not greater than 2

B : $\frac{A_1}{A_2}$ but not greater than 2

C : $\sqrt{\frac{A_1}{A_2}}$ but not greater than 2

D : $\sqrt{2}\sqrt{\frac{A_1}{A_2}}$ but not greater than 2

Q : 5) The ultimate load capacity of an RCC column with lateral ties is attained when it develops a limiting strain of_____

A : 0.002, 0.67 f_{ck}

B : 0.0035, f_{ck}

C : 0.002, 0.446 f_{ck}

D : 0.0035, 0.67 f_{ck}

Q : 6) Serviceability limit states does not include _____

A : Vibration limit

B : Size limit

C : Durability limit

D : Deflection limit

For Any Query Call – 8595517959 | Website – everexam.org

Daily Class – 8:00 PM

Q : 7) According to IS 456, if the maximum aggregate size is increased from 20 mm to 40 mm, the minimum cement content requirement changes (in kg/cum) by:

A : -20

B : 20

C : -30

D : 30

Q : 8) A concrete mix of grade M40 is to be used for pavements using paver machine. The recommended slump range as per IS : 456-2000 is:

A : 25 – 75 mm

B : 50 – 100 mm

C : 75 – 100 mm

D : 100 – 150 mm

Q : 9) The batching tolerance for aggregates as per IS 456 is

A : $\pm 1\%$

B : $\pm 1.5\%$

C : $\pm 2\%$

D : $\pm 3\%$

Q : 10) The minimum time before striking the props to slabs (less than 4.5 m) as per IS 456 is:

A : 14-day

B : 7-day

C : 3-day

D : 16-24 h

Q : 11) AS per IS 456 : 2000 the limit of suspended matter in water to be used for construction is

A : 200 mg/l

B : 300 mg/l

C : 2000 mg/l

D : 3000 mg/l

Q : 12) As per IS : 456 – 2000 actual values of modulus of elasticity E_c may be from

$E_S = 5000\sqrt{f_{ck}}$ (with usual notation)

A : $\pm$25%

B : $\pm$5%

C : $\pm$10%

D : $\pm$20%

Q : 13) AS per IS 456 : 2000, the final deflection due to all loads including the effect of temperature, creep and shrinkage should not normally exceed :

A : $\frac{Span}{250}$

B : $\frac{Span}{350}$

C : $\frac{Span}{400}$

D : $\frac{Span}{450}$

Q : 14) The minimum cement content (kg/cum) for a ship dock (Underwater construction) with 40 mm aggregate is prescribed by the India standard as:

A : 300

B : 250

C : 400

D : 350

Q : 15) Which of the following exposure conditions will a structural steel element be classified when exposed to corrosive fumes?

A : Extreme

B : Severe

C : Very severe

D : Moderate

Q : 16) Twisted bar has about _____ more yield stress than ordinary mild steel bar

A : 10%

B : 20%

C : 35%

D : 50%

Q : 17) The concentration of organic solids in water to be used in reinforced cement concrete should not be more than

A : 50 mg/L

B : 100 mg/L

C : 150 mg/L

D : 200 mg/L

Q : 18) In a simply supported slab, alternate bars are curtailed at

A : $1/6^{th}$ of spam

B : 1.5^{th} of spam

C : $1/4^{th}$ of spam

D : $1/7^{th}$ of spam

Q : 19) As per IS 456 – 2000 standard, the average permissible bond stress (τ_{bd}) for plain bars in M25 grade of concrete is:

A : 0.8

B : 0.9

C : 1.0

D : 1.1

Q : 20) A simply supported or continuous beam shall be proportioned that the clear distance between the restraints does not exceed-

A : 60 b

B : 70 b

C : 75 b

D : 80 b

For Any Query Call – 8595517959 | Website – everexam.org

Daily Class – 8:00 PM

Q : 21) For a continuous floor slab supported on beam, the ratio of the end span of length and intermediate span length is

A : 0.6

B : 0.7

C : 0.8

D : 0.9

Q : 22) Which of the following is the minimum thickness of a flat slab that is taken into consideration?

A : 13 cm

B : L/32 for end panels without drops

C : L/36 for end panels without drops

D : All option are correct

Q : 23) The minimum horizontal distance between two main reinforcement bars should be

A : Diameter of larger bar or 5 mm more than the nominal maximum size of coarse aggregate, whichever is higher

B : 5 mm more than the nominal size of the aggregate only

C : 5 mm more than the distance of the bar

D : None of the above

For Any Query Call – 8595517959 | Website – everexam.org

Daily Class – 8:00 PM

Q : 24) The breadth of rib in a T-beam should at least be equal to the _____ depth of rib

A : One-half

B : one-third

C : One-fourth

D : On-sixth

Q : 25) An RCC column will be considered as slender when the ratio of effective length (in depth direction) to depth ratio is:

A : 6 and effective length (in width direction) to width ration is also 6

B : 6 and effective length (in width direction) width ratio is also 12

C : 10 and effective length (in width direction) to width ratio is also 10

D : 12 and effective length (in width direction) to width ratio is also 12

Q : 26) According too IS : 456, 1978 the thickness of reinforced concrete footing on piles at its edges is kept less than :

A : 20 cm

B : 30 cm

C : 40 cm

D : 50 cm

Q : 27) The weight of a foundation is assumed as which of the following?

A : 5% of wall weight

B : 7% of wall weight

C : 10% of wall weight

D : 12% of wall weight

Q : 28) The creep coefficient for 7 days in loss due to prestress is-

A : 1.6

B : 2.2

C : 1.1

D : 1.8

Q : 29) The stress in punching shear is checked _____ in an isolated reinforced column footing of effective depth ‘d’.

A : At the centre of the column

B : At a distance d/2 away from the face of the column

C : At a distance d/2 away from the centre of the column

D : At the face pf the column

Q : 30) Assertion A : According to IS : 456, over reinforced sections are not permitted

Reason R : There is ductile failure of over reinforced section.

Select your answer based on the coding system given below-

A : Both A and R are true and R is the correct explanation of A

B : Both A and R are true and R is not the correct explanation of A

C : A is true but R is false

D : A is false bit R is true

Result : SSC JE 2019

Selected Candidates For DV From EverExam

100+ SELECTION

Abhishek Gaur

Swaraj Chauhan

Pankaj Gupta

Vaibhav Sharma

Randhir Das

Udayveer

Yuresh Singh

Saurabh

Ranvir Kumar

Mohd Zaid Raza Khan

Tarique Akhter

Deepak Yadav

Vikas Kumar Singh

Mohammad Adnan

Suraj Singh

Arpit Verma

Saguna Chaudhary

Aman Verma

Manu Goel

Abhinandan Dubey

Many More.....

Install The EverExam App Now

GET IT ON Google Play

Telegram Channel EVEREXAM TECH