

“ हार ”
तो वो सबकु है
जो आपको बेहतर होने का
मौका देगी।

ALL CIVIL ENGINEERING FORMULA WITH ALL CONCEPTS

At Just ~~599/-~~ **99/-**

ANY QUERIES JUST CALL NOW 8595517959

GATE 2022

**20 YEARS PREVIOUS YEAR QUESTION
OF GATE WITH DETAILED EXPLANATION**

Course Details

📅 Start - 25 December 2021

📅 Validity - 6 Months

📺 **LIVE** Onine Classes

📅 Enroll Now

At Just ~~₹4999/-~~ **₹1999/-**

ANY QUERIES JUST CALL NOW 8595517959



UKPSC AE

**RECORDED
BATCH**

CIVIL ENGINEERING



Install The EverExam App Now



Course Details

-  Start- 4 Dec 2021
-  Validity- 7 Months
-  Enroll Now

~~999/-~~
799/-

Offer Valid For Only 2 Days



www.everexam.org



8595517959, 7827455078

CIVIL ENGINEERING

ALL FORMULA REVISION

VOD BATCH

✓ **Start- 19 Oct 2021**

✓ **Validity-5 Months**

✓ **Enroll Now**

At Just 599/-



www.everexam.org



8595517959, 7827455078



UKPSC AE

THEORY BATCH

Enroll Now

- **Start- 25 Sep 2021**
- **Duration- 250+ Hours**
- **Validity- Till The Exam**

Offer

~~1799/-~~ **1000/-**



www.everexam.org



8595517959, 7827455078

JPSC AE

MAINS CONVENTIONAL

- **Start- 25 Sep 2021**
- **Duration- 250-300 Hours**
- **Validity- Till The Exam**

Offer

~~1999/-~~ **1100/-**



www.everexam.org



8595517959, 7827455078



UPSSSC JE

**RECORDED
QUESTION PRACTICE BATCH**

- 👉 **Start- 22 Sep 2021**
- 👉 **Validity- Till The Exam**
- 👉 **Enroll Now**

At Just

355/-



www.everexam.org



8595517959, 7827455078

BPSC AE 2021

– **Crash Course** –

- **150+ HRS**
- **Start 15 August 2021**
- **Validity Till The Exam**

At Just

555/-



TELEGRAM CHANNEL **EVEREXAM TECH**



DOWNLOAD EVEREXAM APP



GPSC AE 2021

– Crash Course –

- **150+ HRS**
- **Start 15 August 2021**
- **Validity Till The Exam**



At Just
555/-

ANY QUERIES JUST CALL NOW 8595517959 | www.everexam.org



UPPSC AE

—RECORDED BATCH—

- ✓ **START - 14 AUGUST 2021**
- ✓ **VALIDITY - TILL THE EXAM**
- ✓ **DURATION - 250+ HOURS**
- ✓ **ENROLL NOW**

At Just

1491/-



www.everexam.org

Any Queries Just Call Now **8595517959**



SSC JE PRE 2021

Civil Engineering

- Start Date **15 June 2021**
- Duration **400+hours**
- Validity **6 Months**
- Live Online **Classes**

₹ **2199/-**



TELEGRAM CHANNEL **EVEREXAM TECH**

DOWNLOAD **EVEREXAM APP**





UPSSSC JE

CRASH COURSE

 **START**
10 AUGUST 2021

 **VALIDITY**
TILL THE EXAM

 **DURATION**
120+HOURS

At Just

502/-

ANY QUERIES JUST CALL NOW 8595517959



UPSSSC JE

RECORDED BATCH

START
29 JULY 2021

VALIDITY
TILL THE EXAM

DURATION
400+ HOURS

At Just
1199/-

DOWNLOAD EVEREXAM APP



GET IT ON
Google Play

Q : 62) The ratio of saturated unit weight to dry unit weight of a soil is 1.25. If the specific gravity of solid (G_s) is 2.65, the void ratio of the soil is

A : 0.625

B : 0.663

C : 0.994

D : 01.325

Q : 63) The vertical sides of door and window opening are known as

A : Intrados

B : Tombs

C : Reveals

D : None of the above

Q : 64) In limit state method, spacing of main reinforcement control primarily

A : Durability

B : Deflection

C : Collapse

D : Cracking

Q : 65) In a plate load test, the ultimate load is estimated from the load-settlement curve on a log-log graph

A : By drawing tangents to the curve at the initial and final points

B : Directly

C : By the secant method

D : Simply at 0.2% of the maximum settlement

Q : 66) During seepage through an earth mass, the direction of seepage is

A : Parallel to the equipotential lines

B : Perpendicular to the stream lines

C : Perpendicular to the equipotential lines

D : Along the direction of gravity

Q : 67) With the usual notation, sinking factor is given by

A : $(1 + i)^n$

B : $i/[(1 + i)^n - 1]$

C : $\frac{1}{(1+i)^n}$

D : $\frac{(1+i)^n}{[(1+i)^n - 1]}$

Q : 68) Which of the following condition is to be satisfied both in elastic and plastic analysis?

A : Equilibrium condition

B : Yield condition

C : Plastic moment condition

D : Mechanism condition

Q : 69) A vane, 10.8 cm long, 7.2 cm in dia. Was pressed into a soft clay at the bottom of a bore hole. Torque was applied and the value at failure was 45 Nm. Find the shear strength of the clay on a horizontal plane

A : 21 kN/m²

B : 42 kN/m²

C : 14 kN/m²

D : 84 kN/m²

Q : 70) The deterioration of the properties of a material was subjected to repeatedly applied stresses is termed as

A : Creep

B : fatigue

C : Isotropic

D : Elasticity

Q : 71) As per IS : 456 : 2000, the minimum cover shall be provided in the footing

A : 25 mm

B : 40 mm

C : 50 mm

D : 60 mm

Q : 72) A cycle load test is performed to determine a pile's

A : Skin resistance

B : Tip resistance

C : Ultimate load capacity under repetition

D : Skin resistance and tip resistance separately

Q : 73) Which one of the following parameters can be used as a rough guide to determine the type of failure in soil?

A : Angle of shearing resistance

B : Density index

C : Penetration test

D : Plate load test

Q : 74) A cantilever beam of rectangular cross-section is subjected to a concentrated load 'w' at its free end. If the width of the beam is doubled, the deflection at the free end as compared to earlier case, will be

A : 8 times

B : 4 times

C : 2 times

D : Half

Q : 75) Defects such as blisters and cracks in bitumen may be caused by natural agencies such as

- 1. Water**
- 2. Air**
- 3. Light**

Of the above, the correct agency (ies) is/are

A : 1 alone

B : 1 and 2

C : 1 and 3

D : 1, 2 and 3

Q : 76) The effective length of fillet weld should not be less than

A : Size of weld

B : Two times the size of weld

C : Three times the size of weld

D : Four times the size of weld

Q : 77) The exit gradient for the seepage of water through a soil medium is given by

A : The slope of the flow lines

B : The slope of the equipotential lines

C : The ratio of total head to the height of seepage

D : The ratio of head loss to the height of seepage

Q : 78) The product E and I is known as

A : Polar moment

B : Flexural rigidity

C : Modulus of repture

D : Modulus of rigidity

Q : 79) For centring of R.C.C. structures the bricks used should be

A : Ist class

B : IInd class

C : IIIrd class

D : IVth class

Q : 80) Rankine-Gordon formula which covers all cases of struts, is

$$\mathbf{A : P = \frac{fcA}{1 + \left(\frac{a}{k}\right)^2 l}}$$

$$\mathbf{B : P = \frac{fcA}{1 + a\left(\frac{l^2}{k^2}\right)}}$$

$$\mathbf{C : P = \frac{fcA}{k^2 + a^2 l^2}}$$

$$\mathbf{D : P = \frac{fcA}{1 + \frac{a^2 l}{k^2}}}$$

Where notation are as usual.

Q : 81) Wide and deep cracks in concrete members may be repaired by

A : Grouting

B : Shotcreting or guniting

C : Mortar replacement

D : Epoxy injection

Q : 82) The side face reinforcement in the deep beam shall NOT be less than

A : $0.1 \times$ web area

B : $0.01 \times$ web area

C : $0.001 \times$ web area

D : $0.012 \times$ web area

Q : 83) The number of funicular polygons which can be drawn to pass through two specified points in the space diagram are

A : One

B : Two

C : Three

D : Infinity

Q : 84) For a single point load 'W' moving on a symmetrical parabolic three hinged arch of span 'L', the maximum sagging moment occurs at a distance 'x' from ends. The value of x is

A : 0.211 L

B : 0.250 L

C : 0.234 L

D : 0.50 L

Q : 85) The minimum thickness of the wall where single Flemish bond is used

A : One brick thick

B : One and a half brick thick

C : Two and a half brick thick

D : None of the above

Q : 86) Hot bitumen is used for damp-proofing course in the building. IT can be applied with a minimum thickness of

A : 2 mm

B : 3 mm

C : 5 mm

D : 6 mm

Q : 87) A reinforced concrete beam having width of 250 mm and effective depth of 400 mm, is reinforced with 415 of steel grade (Fe 415). As per the provisions of IS : 456 : 2000, the minimum and maximum amount of tensile reinforcement for the section are respectively

A : 250 mm² and 3500 mm²

B : 205 mm² and 4000 mm²

C : 270 mm² and 2000 mm²

D : 300 mm² and 2500 mm²

Q : 88) The process of compaction of a soil involves

A : Expulsion of pore water

B : Expulsion of pore air

C : Expulsion of both pore air and pore water

D : None of the above

Q : 89) Which one of the method is NOT classified as force method?

A : The theorem of three moments

B : The moment distribution method

C : The method of consistent deformation

D : Castigliano's theorem

Q : 90) A bar of 4 cm diameter is subjected to an axial load of $4T$. The extension of the bar over a gauge length of 20 cm is 0.03 cm. The decrease in diameter is 0.0018 cm. The Poisson's ratio is

A : 0.06

B : 0.03

C : 0.33

D : 0.35

Q : 91) Which one of the following is unstratified rock?

A : Quartz

B : Granite

C : Lime stone

D : Slate

Q : 92) A PERT network has 9 activities on its critical path. The standard deviations of each activity on the critical path is 3. The standard deviation of the critical path is

A : 3

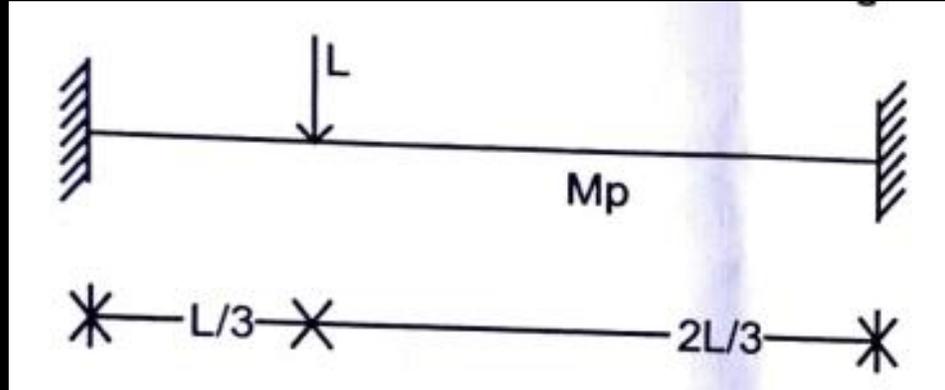
B : $\sqrt{3}$

C : $3\sqrt{3}$

D : 9

Q : 93) Collapse load for the beam shown in fig. is

- A : 6 Mp/L**
- B : 8 Mp/L**
- C : 9 Mp/L**
- D : 16 Mp/L**



Q : 94) Which one of the following rollers is suitable for soil cement stabilized construction?

A : Vibratory roller

B : Sheed foot roller

C : Pneumatic roller

D : Smooth wheel roller

Q : 95) Which of the following is NOT a drier in paints?

A : Leatharge

B : Lead oxide

C : Red lead

D : Copper sulphate

Q : 96) Lug angles are used to connect the members to

A : Reduce the length of connection

B : Increase the length of connection

C : Increase the strength of rivet connection

D : Reduce the strength of rivet connection

Q : 97) Which test is to be conducted in the laboratory for the determination of shear strength parameters 'C' and ' ϕ ' of soil?

A : Tri-axial compression test

B : Atterberg limit test

C : Proctor compaction test

D : Relative density test

Q : 98) The strain energy stored in a simply supported beam of span 'l' and flexural rigidity 'EI' due to a central concentrated load 'w' is

A : $\frac{w^2 l^3}{48EI}$

B : $\frac{w^2 l^2}{48EI}$

C : $\frac{w^2 l^3}{96EI}$

D : $\frac{w^2 l^2}{96EI}$

Q : 99) D' Alembert's principle is used for

A : Determining stresses in the truss

B : Reducing the problem of kinetics to equivalent static problem

C : Stability of floating bodies

D : Designing safe structures

Q : 100) Lifting of the corners of the slabs is prevented by providing _____ reinforcement.

A : Torsion

B : Sear

C : Transverse

D : Longitudinal



Result : **SSC JE 2019**

Selected Candidates For DV From **EverExam**

100+ SELECTION



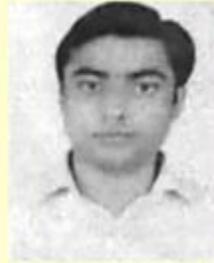
Abhishek Gaur



Swaraj Chauhan



Pankaj Gupta



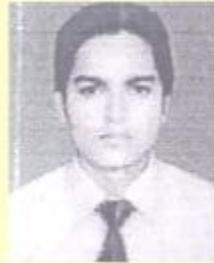
Vaibhav Sharma



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



Telegram Channel EVEREXAM TECH