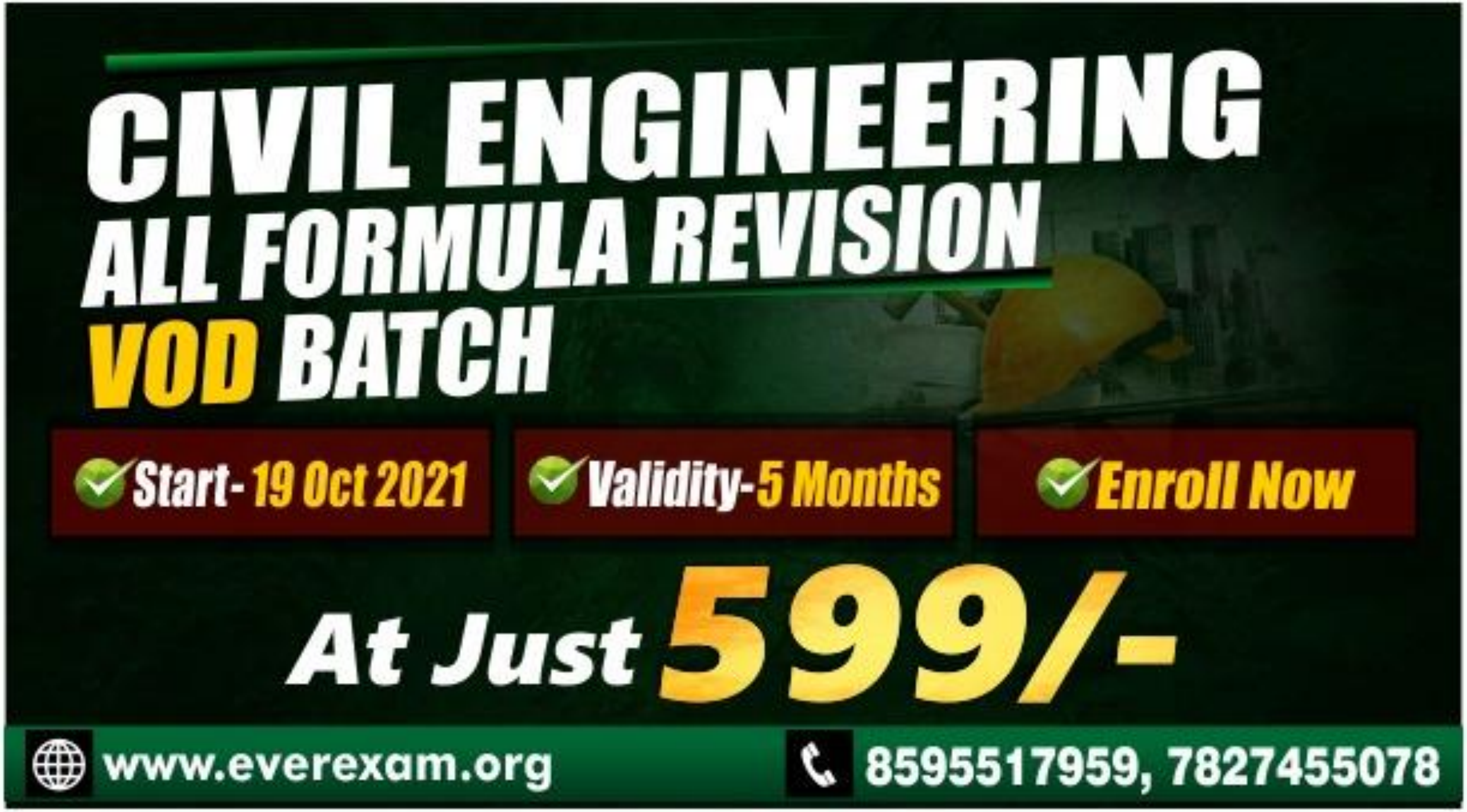

CIVIL ENGINEERING
ALL FORMULA REVISION
VOD BATCH
Start- 19 Oct 2021
Validity-5 Months
Enroll Now
At Just 599/-
www.everexam.org
8595517959, 7827455078

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

Everexam

Learn More, Earn More

GPSC AE 2021

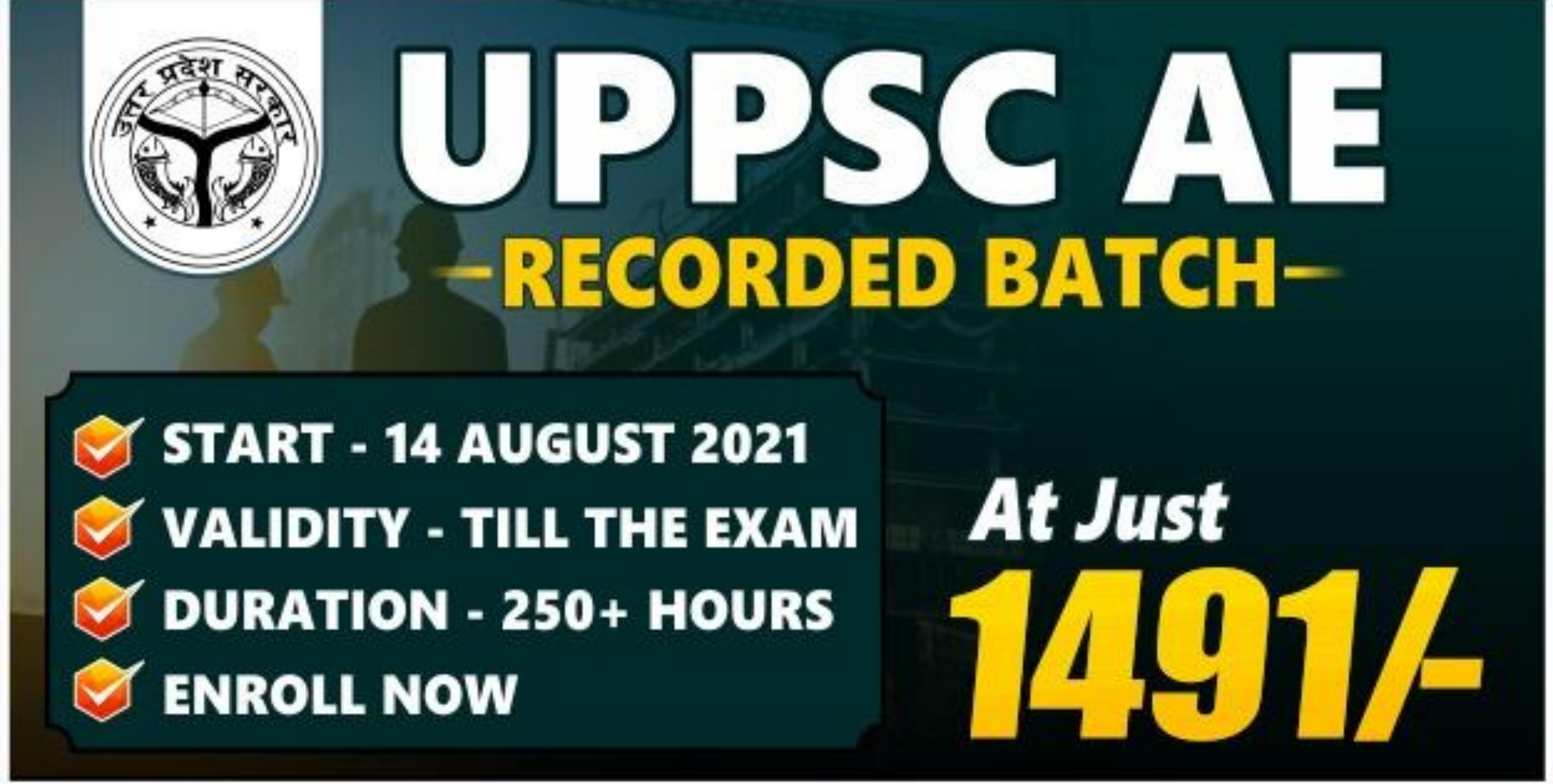
— Crash Course —

- 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 GET IT ON Google Play

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 :) Clay bricks are made of earth having

A : 35-70% and 10-20% alumina

B : 35 – 70% and 35-70% alumina

C : Nearly equal proportion of silica and alumina

D : Nealy equal proportions of alumina, silica and lime

Q :) The fineness of cement is determined by:

OR

Which of the following is used to test the fineness of a cement?

A : Setting time test

B : Slump cone test

C : soundness test

D : Air permeability test

Q :) The cementing property of cement is mainly due to

A : Lime

B : Alumina

C : Silica

D : Gypsum

Q :) Dry rot is caused due to:

A : Lack of ventilation

B : Alternate wet and dry conditions

C : Complete submergence in water

D : White ant attack

Q :) The constituents of varnish are:

OR

Varnish is generally made of:

OR

A varnish essentially contains

A : Resins, driers and solvents

B : An inert extender, driers and solvents

C : Resins, colouring pigments and solvents

D : An inert extender, resins and solvent

Q :) Painting work is generally specified by:

A : Weight of the paint used

B : Volume of the paint used

C : Labour used for painting

D : Area of the painted surface

Q :) Mild steel is used in the manufacture of

A : Compression members

B : Cutting tools

C : Rolled steel sections

D : Tension members

Q :) Shielding glass contains

A : Steel wires

B : Chrome

C : Fibre glass

D : Lead oxide

Q :) Which of the following mineral is responsible for activity of clay?

A : Kaolinite

B : Illite

C : Silica

D : Montmorilonite

Q :) A partially saturated soil contains:

A : Solids and air only

B : Solids, air, water and clay only

C : Solids and water only

D : Solids, air and water only

Q :) What is the ratio of volume of air voids to the volume of total voids known as?

A : Percentage voids

B : Air content

C : Porosity

D : Percentage air voids

Q :) The expression for the discharge (Q) through a flow net for isotropic soil is given by:

A : $Q = KH \times \frac{N_F}{N_D}$

B : $Q = KH \sqrt{\frac{N_F}{N_D}}$

C : $Q = KH \left(\frac{N_F}{N_D}\right)^2$

D : $Q = KH \left(\frac{N_F}{N_D}\right)^3$

Q :) What is the use of sonoscope?

A : Checking the accuracy of water meters

B : Regulating the fire hydrants

C : As a replacement of venturi meter of discharge measurement

D : Detection of leakage in underground water mains

Q :) Pore water from the soil escapes when a load is applied on it. This process is known as _____.

A : Compaction

B : Consolidation

C : Effective stress distribution

D : Boiling

Q :) What is the assumption made about back of wall, in the Rankine's theory of earth pressure?

OR

Rankine's theory of earth pressure assumes that the back of the wall is

A : Plane and rough

B : Plane and smooth

C : Vertical and rough

D : Vertical and smooth

Q :) The effect of cohesion on a soil is to

A : Reduce both active and passive earth pressure intensities

B : Increase both active and passive earth pressure intensities

C : Reduce active earth pressure intensity but to increase passive earth pressure intensity

D : increase active earth pressure intensity but to reduce passive earth pressure intensity

Q :) Coefficient of earth pressure at rest is given by

A : $\frac{\mu^2}{1-\mu^2}$

B : $\frac{\mu}{1-\mu}$

C : $\frac{1-\mu}{\mu}$

D : $\frac{1-\mu^2}{\mu^2}$

Q :) Standard dynamic penetration test is more suitable to determine bearing capacity of:

A : Silt

B : Sandy soil

C : Clayey soil

D : All of the above

Q :) The maximum intensity of loading that the foundation will safely carry without the risk of shear failure of soil irrespective of any settlement that may occur is called as:

A : Allowable bearing capacity

B : Ultimate bearing capacity

C : Safe bearing capacity

D : Net loading capacity

Q :) A pile foundation is used when:

A : The load are heavy

B : The soil stratum near ground surface is weak

C : Both (a) and (b)

D : Neither (a) nor (b)

Q :) Black cotton soils may be stabilized with the following for road constructions:

A : Mixing lime 5 to 10%

B : Mixing sand

C : Mining gypsum

D : Mixing fly ash

Q :) The largest value of stability number:

A : 1.0

B : 0.261

C : 2.0

D : 0.5

Q :) Undisturbed tests are required for conducting-

A : Hydrometer test

B : Shrinkage limit test

C : Consolidation test

D : Specific gravity test

Q :) In a friction loss in pipe flow, the expression for coefficient of friction (f) in terms of shear stress is:

A : $\frac{\tau_0}{\rho V^2}$

B : $\frac{2\tau_0}{V^2}$

C : $\frac{2\tau_0}{\rho V^2}$

D : $\frac{2\tau_0}{\rho V}$

Q :) If water enters into the pipe from a reservoir or a tank, then at the entrance into the pipe the head loss will be …….

A : $\frac{V^2}{2g}$

B : $1.2\ \frac{V^2}{2g}$

C : $0.5\ \frac{V^2}{2g}$

D : $\frac{(V_1 - V_2)^2}{2g}$

Q :) The pressure rise due to water hammer depends upon-

A : Velocity of flow water in pipe

B : Length of pipe

C : Time taken to close the valve

D : All the above

Q :) Vorticity at any point is defined as the circulation per

A : Unit area

B : Unit length

C : Unit volume

D : Unit mass

Q :) The velocity for flow through a pipe as measured at the centre is 4 m/s. The average velocity in the pipe will be:

A : 2 m/s

B : 8 m/s

C : 1 m/s

D : 4 m/s

Q :) The friction factor of laminar liquid flow in a circular pipe is proportional to:

A : Inversely to the Reynold's number

B : Square to the Reynold's number

C : Square root of the Reynold's number

D : Reynold's number

Q :) The loss of head in a hydraulic jump is given by:

A : $\frac{D_1 - D_2}{4D_1D_2}$

B : $\frac{(D_1 - D_2)^2}{4D_1D_2}$

C : $\frac{(D_1 - D_2)^3}{4D_1D_2}$

D : $\frac{(D_1 - D_2)^4}{4D_1D_2}$

Q :) A hydrometer is used to measure.

A : Velocity of fluids

B : Velocity of gases

C : Flow of fluids

D : Specific gravity of liquids

Q :) ..... is known as the ratio of rate of change discharge of an outlet and parent channel

A : Efficiency

B : Flexibility

C : Sensitivity

D : Modular limit

Q :) An impulse turbine is used for

A : Low head of water

B : High head of water

C : Medium head of water

D : High discharge of water

Q :) Discharge of a double acting reciprocating pump is

A : LAN

B : 2LAN

C : LAN/60

D : 2LAN/60

Q :) M 10 grade of concrete approximates ..... Mix.

A : 1 : 3 : 6

B : 1 : 1 : 2

C : 1 : 2 : 4

D : 1 : 1.5 : 3

Q :) The size of commonly used specimen for compression test of concrete is:

A : 50 × 30 mm

B : 150 × 150 × 150 mm

C : 150 × 50 × 50 mm

D : 150 × 150 mm

Q :) Which of the following is the important factor that affects the shrinkage of cement concrete?

A : Quantity of concrete

B : Size of coarse aggregates

C : Size of the fine aggregate

D : Amount of water added during mixing of concrete

Q :) Creep deformation is a property of any material to deform under the influence of

A : Thermal stresses

B : Moisture related

C : Mechanical stresses

D : Stresses due to wind loads

Q :) Assertion A : Pozzolana is added to cement to increase early strength.

Reason R : If reduce the heat of hydration.

Which of the following is correct?

A : A is true but R is false.

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

C : A is false but R is true

D : Both A and R are true, but R is not a correct explanation of A.

Q :) Which of the following acts as retarder for the concrete?

A : Calcium chloride

B : Calcium lignosulphonate

C : Calcium stearate

D : Aluminium powder

Q :) The slope of a bending moment diagram gives……

A : Compressive force

B : Shear force

C : Couple

D : Tensile force

Q :) The point of contraflexure is the point at which _____ changes its sign.

A : Torsional moment

B : Shear force

C : Bending moment

D : All of the options

Q :) The slope at the fixed end of a cantilever beam will be :

A : Zero

B : Maximum

C : Minimum

D : Negative

Q :) The bending moment acting on the plane of an element will cause the following type of stress on the plane :

A : Transverse shear stress

B : Axial stress

C : Tensile stress

D : Normal stess

Q :) Maximum bending moment occurs at a point where:

A : S.F. is either zero or change sign

B : S.F. is maximum

C : Transverse loading is zero

D : At the centre of the beam span

Q :) Moment distribution method of structural analysis is applicable to:

A : Stable but statically indeterminate structure

B : Stable but statically determinate structures

C : Unstable but statically indeterminate structure

D : Unstable but statically determinate structures

Heartiest *Congratulations* To All Selected Candidates From EverExam

Maneesh Kumar
CPWD - 2018

Vaibhav Gupta
CPWD - 2018

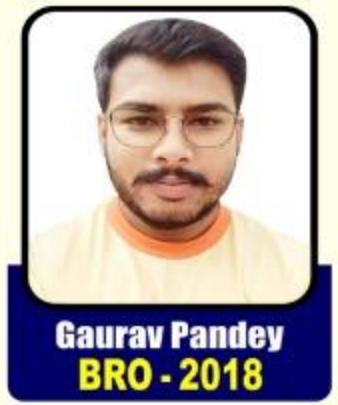
Mehefuz Hossain
CPWD - 2018

Pooja Garg
CWC - 2018

Gaurvendra Singh
CWC - 2018

Kunal Panchal
MES -2018

Satyam Gupta
BRO - 2018



Gaurav Pandey
BRO - 2018

Rajbhadur Prajapati
BRO -2018

Suman Shankar
BRO - 2018

Many More....

60+ Selection In Civil SSC JE 2018

TELEGRAM CHANNEL EVEREXAM TECH | DOWNLOAD EVEREXAM APP

GET IT ON Google Play

Heartiest *Congratulations* To All Selected Candidates From EverExam

ALL STATE JE /AE RESULT

Ajay Kumar
GPSC - AE

Abdul
WBPSC-JE

Manoj
RRB JE BHOPAL

Vaibhav
RRB JE PATNA

Amerndra
RRB JE KOLKATA

Deepak
RRB JE ALLAHABAD

Satyam Gupta
UPPSC AE

Gaurvendra
RRB JE ALLAHABAD

Vicky
RRB JE BANGALORE

Thakur Das
RRB JE AJMER

Praveen
RRB JE CHENNAI

Shubham
RRB JE GUWAHATI

Ujjal
RRB JE KOLKATA

Manish
BHOPAL AAI

TELEGRAM CHANNEL EVEREXAM TECH | DOWNLOAD EVEREXAM APP