Heartiest Congratulations To All Selected Candidates From EverExam





















Many More

60+ Selection In Civil SSC JE 2018



TELEGRAM CHANNEL EVEREXAM TECH DOWNLOAD EVEREXAM APP . Google Play







SSCJEMAINS 2020

→ STARTING → VALIDITY 13 APRIL

5 MONTHS

• LIVE **ONLINE CLASSES**

FEE @ 2999/-

FREE TEST SERIES

ANY QUERIES JUST CALL NOW

Install Everexam App Now







FOUNDATION BATCH 2021

ALL STATE AE/JE EXAMINATION

(THEORY) QUESTIONS PRACTICE BATCH



VALIDITY 1 YEAR



DURATION 400+HOURS



JEE 39997- FEE 3199/







RAJASTHANJE

QUESTIONS PRACTICE BATCH

- Starting 20 April 2021
- ♥ Duration 100 Hours
- **Validity 4 Months**

Fee @ 399/-

RAJASTHANJE

THEORY CLASSES

- Recorded Class
- Duration 250 Hours
- Validity 4 Months

Fee @ 1498/-

ANY QUERIES JUST CALL NOW

8595517959

Install Everexam App Now ********







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

Daily Class – 8:00 PM

Q:) The apparatus used for determining the Soundness of cement is

A: Slump cone - wor while

B: Le Chatelier apparatus

C: Vicat's needle

D: UTM

vol Change - free line magnesia



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

Daily Class - 8:00 PM

Q:) Cement used for railway sleepers is designated as

A: 40-S

B:53-\$

C: 46-S

D: 48-S

0120-43

prustra



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

Daily Class – 8:00 PM

Q:) The main constituent of cement which is responsible for initial mass conente

setting of cement is

A: Dicalcium silicate

B: Tricalcium silicate

C: Tricalcium aluminate

D: none of the given answers

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

Daily Class – 8:00 PM

Q:) For testing compressive strength of hydraulic cement other than masonry cement as per IS 4031 - Part 6, the size of cube used is

A: 150 mm Concorte

B: 100 mm

C: 70.6 mm

D: 50 mm

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

Daily Class – 8:00 PM

Q:) Inadequate compaction during concrete casting results in

A: Honey combing

B: Bleeding

C: Segregation

D: Bleeding and segregation



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

Daily Class – 8:00 PM

Q:) If characteristic compressive strength at 28 days is 40 N/mm² and the standard deviation is 5 N/mm², the target strength at 28 days for

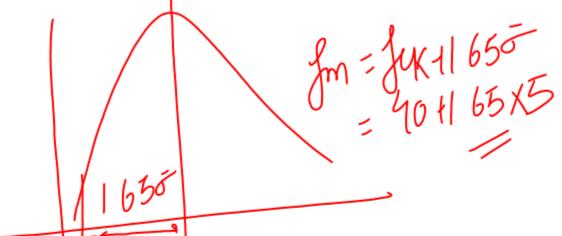
concrete mix proportioning

A: 40 N/mm²

B: 45 N/mm²

C: 43.25 N/mm²

D: 48.25 N/mm²



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

Daily Class - 8:00 PM

Q:) As per IS 4987, $N = (Cv/P)^2$ where N = optimum number ofraingauge staions in a basin, C_v = Coefficient of variation of the rainfall values of the existing raingauge stations, then P is

A: Highest discharge at the basin outlet

B: Annual average rainfall of the basin

C: Desired degree of percentage error in the estimate of the basin mean (-, 10% (tolerate)

D: Highest rainfall recorded in the basin



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

Daily Class – 8:00 PM

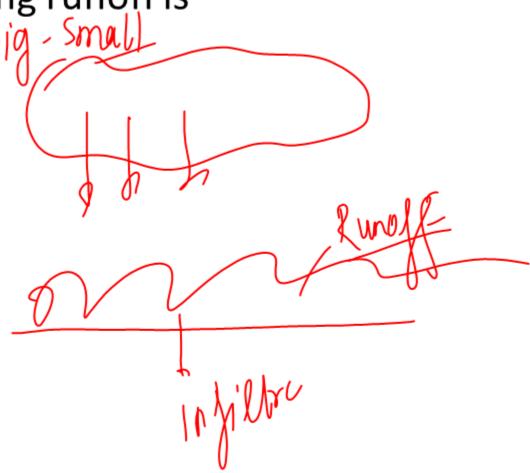
Q:) The best method of estimating runoff is

A: Unit Hydro graph

B: Runoff-Coefficient Method

C: Rational formula

D: Infiltration index method



> Aeolian - Compruibility

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

Daily Class – 8:00 PM

Q:) The collapsible soil is associated with

A: Dune sands

B: Laterite soils /

C: Loess

D: Black cotton soils

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

Daily Class – 8:00 PM

Q:) Lacustrine soils according to geological classifications are

A: Transported ice

B: Transported by wind

C: Deposited in seas

D: Deposited in Takes

Varmed clay clay



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

Daily Class – 8:00 PM

Consistence limit

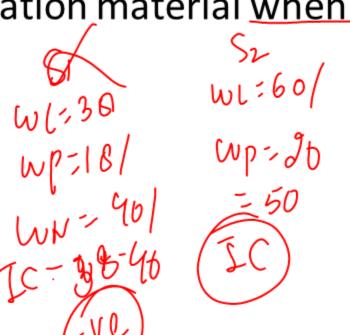
Q:) If two soils S1 and S2 tested in the laboratory are having liquid limits 38% and 60% and plastic limits 18% and 20% respectively. If natural moisture content for S1 and S2 is 40% and 50% respectively, which soil is a better foundation material when remoulded.

A:S1

B: S2 (8)

C: S1 and S2

D: Neither S1 nor S2





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

Daily Class – 8:00 PM

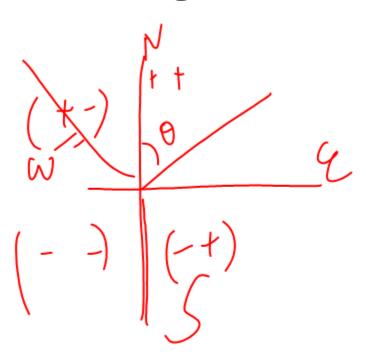
Q:) The latitude and departure of a line AB are + 78 m and -45.1 m respectively. The whole circle bearing of the line AB is

A:30°

B: 150°

C: 210°

D: 330°



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

Daily Class – 8:00 PM

Q:) Boussinesque's for the stresses in soil caused by a point load at the surface is based on some assumptions. One of which is

A: Soil medium is finite medium

B: Soil medium is plastic

C: Soil medium obeys Hook's law

D: Soil medium is not homogeneous

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

Daily Class – 8:00 PM

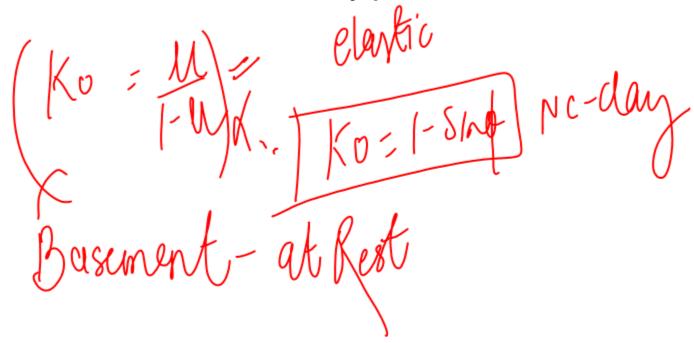
Q:) When retaining wall is stationary, the coefficient of earth pressure at rest is equal to (taking Poisson's ratio of soil as μ)

$$\mathbf{A}: \mu/(1-\mu)$$

B:
$$\mu/(1+\mu)$$

C:
$$2\mu/(1-\mu)$$

D:
$$\mu/(1-\mu)2$$

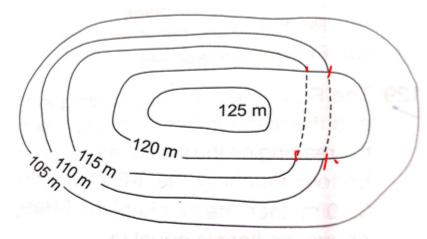




For Any Query Call - 8595517959 | Website - everexam.org

Daily Class – 8:00 PM

Q:) The contours given below represent

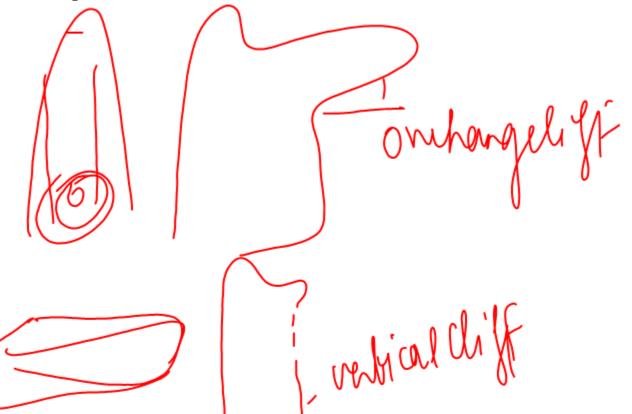


A: Depression

B: Summit

C: Saddle

D: Over hanging cliff



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

Daily Class – 8:00 PM

Q:) An error in observations of either fore or back bearing or both may be due to

A: Magnetic declination

D: Inclination

C: Local attraction [B-BB + 1180 (scalablaution

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

Daily Class – 8:00 PM

Q:) In a theodolite, if line of altitude bubble is not parallel to the line of collimation when verniers of vertical circle read zero, the error is known as

A: Vertical axis error

B: Lateral collimation error is

C: Horizontal axis error

D: Vertical collimation error



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

Daily Class – 8:00 PM

Q:) The plane table method which is suitable for locating inaccessible points is

A: Resection method

B: Intersection method

C: Radiation method

D: Traversing method

plotting

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

Daily Class – 8:00 PM

Q:) If L denotes latitude and D denotes departure, then the direction of

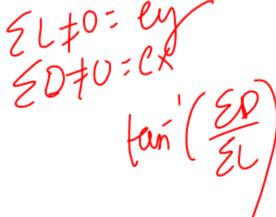
closing error is given by

A: $tan-1(\sum D/\sum L)$

B: Cosec-1($\sum D/\sum L$)

 $C: Cos-1(\sum D/\sum L)$

D: $\sin -1(\sum D/\sum L)$





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

Daily Class – 8:00 PM

A: Lane distribution factor

B: Vehicle damage factor

C: Safe load factor

D: Load distribution factor



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

Daily Class – 8:00 PM

Q:) The unit of coefficient of consolidation is

 $A : cm^2/gm$

B: cm²/sec

C: gm/cm²/sec

D: gm-cm/sec

(VXt. Sec.



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

Daily Class – 8:00 PM

Q:) Which of the following gives the correct decreasing order of the densities of a soil sample?

A: saturated, submerged, wet, dry

B: saturated, wet, submerged, dry <

C: saturated, wet, dry, submerged

D: wet, saturated, submerged, dry

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

Daily Class – 8:00 PM

Q:) For sampling natural sands and other soft and wet soils satisfactorily, the most suitable soil sampler is

A: open drive thin-walled tube sampler

B: Standard split-spoon sampler

D: Roatary sampler

C: Stationary piston sampler But Natural Sond D: Roatary sampler



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

Daily Class – 8:00 PM

Q:) According to Indian Standards, the number of raingauge stations for

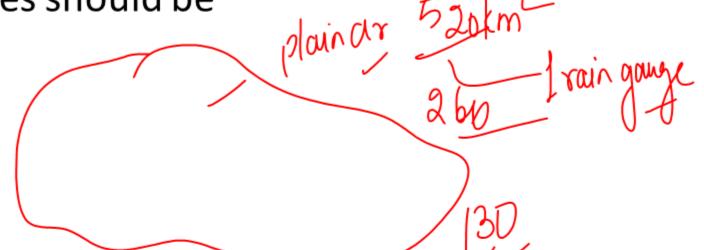
an area of 5200 km² in planes should be

A: 10 /

B:15

C: 20

D: 40



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

Daily Class – 8:00 PM

Q:) Impact value of stone for road work specified is

A: wearing coat 30%

B: bituminous macadam 35%

C: water-bound macadam 40%

D: All of the above

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

Daily Class – 8:00 PM

Q:) Rotary kiln used in manufacturing cement rotates at a speed of

A: 1 r.p.m. - 3 r.p.m

B: 10 r.p.m. - 12 r.p.m.

C: 18 r.p.m. - 22 r.p.m.

D: more than 25 r.p.m.



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

Daily Class – 8:00 PM

Q:) By calcining and smelting iron ores, a crude and impure form of iron obtianed is known as

A: cast iron

B: wrought iron

C: steel

D(: pig iron

(3-5/.) Carbon Content

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

Daily Class – 8:00 PM

Q:) The dose of copper sulphate in water treatment varies from

A: 0.3 p.p.m. to 0.6 p.p.m.

B: 1 p.p.m. to 1.5 p.p.m.

C: 2 p.p.m. to 2.5 p.p.m.

D: 3 p.p.m. to 3.0 p.p.m.

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

Daily Class – 8:00 PM

Q:) The most commonly used sewer under culvert is

A: circular sewar

B: semi-shaped sewar

C: egg-shaped sewar

D: horseshoe-type sewar owfall Sever

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

Daily Class - 8:00 PM

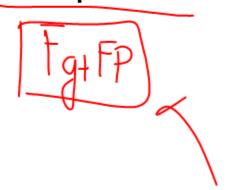
Q:) In Euler's equation

A: no force is neglected

B: only force of compressibility is neglected

C: both force of compressibility and force of turbulence are neglected

D: forces of compressibility, turbulence and viscosity are neglected





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

Daily Class – 8:00 PM

Q:) In Navier-Stroke equation

Ro: FP1Fg1FT1Fv1Fce

A: no force is neglected

B: only force of compressibility is neglected

C: both force of compressibility and force of turbulence are neglected

D: forces of compressibility, turbulence and velocity are neglected

fp1/g1/5

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

Daily Class – 8:00 PM

Q:) The term z in total energy expansion

ppg+v2/2g+zpg=v2/2g+z)s

A: potential energy

B: pressure energy

C: potential energy per unit weight

D: None of the above

2 + 29 + Z

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

Daily Class – 8:00 PM

Q:) Bernoulli equation finds its application in

A: Pitot tube

B: venturi meter

C: orifice meter

D: All of the above //



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

Daily Class – 8:00 PM

Q:) Ring and Ball apparatus is used for the following test of bitumen:

A: Penetration

B: Viscosity

C: Ductility

D: Softening point (

Steel ball dia = John Cogn

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

Daily Class – 8:00 PM

Q:) Error due to bad ranging is:

A: Cumulative positive

B: Cumulative negative

C: Compensative

D: Never serious



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

Daily Class – 8:00 PM

Q:) Imaginary line joining the points of zero declination on the surface of earth is known as:

A: Isogonic line — Sanedulinuhan

B: Isoclinic line — 21092 diff

C: Magnetic declination line

D: Agonic lines





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

Daily Class – 8:00 PM

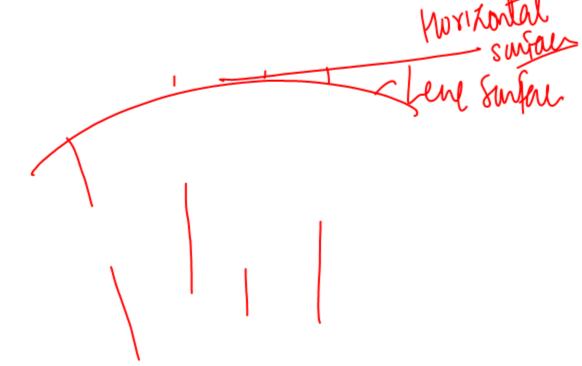
Q:) The curved surface which at every point is perppendicular to the direction of gravity at that point is known as:

A: A level plane

B: A level surface

C: A horizontal surface

D: A vertical surface





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

Daily Class – 8:00 PM

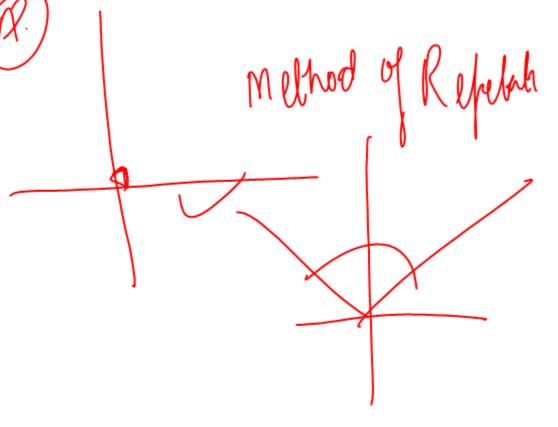
Q:) Spire test is used for the permanent adjustment of a theodolite for:

A: Adjustment of horizontal axis

B: Adjustment of vertical axis

C: Adjustment of plate levels

D: Adjustment of line of sight



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

Daily Class - 8:00 PM

Q:) Axis method of traverse correction is used when:

A: Then lengths are measured very accurately

B: The angle are measured very accurately (8)

C: The percentage error in angles and lengths is same

D: Neither angles nor lengths are measured accurately



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

Daily Class – 8:00 PM

Q:) If the R.L. of a B.M. is 100.00 m, the back-sight is 1.215 m and the foresight is 1.870 m, the R.L. of the forward station is:

A: 99.345 m

B: 101.215 m

C: 100.655 m

D: 101.870 m

RUp = 100+1215-1850



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

Daily Class – 8:00 PM

Q:) A curve of varying radius introduced between two branches of a compound curve is known as:

A: Mean curve

B: Base curve

C: Common curve

D: Transition curve

transistion any
Sharght

Malen



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

Daily Class – 8:00 PM

Q:) Contour lines of different elevation can unite to from one line only in the case of:

A: Plane ground

B: Cave

C: Vertical clift

D: Valley

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

Daily Class - 8:00 PM

Q:) The method which gives more accuragte results in the measurement of areas is:

A: Average ordiante rule

B: Mid ordinate rule

D: Simpson's one third rule odd no up ordnate (

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

Daily Class – 8:00 PM

Q:) Discharge through the body of an earth dam may be calculated using flow net as

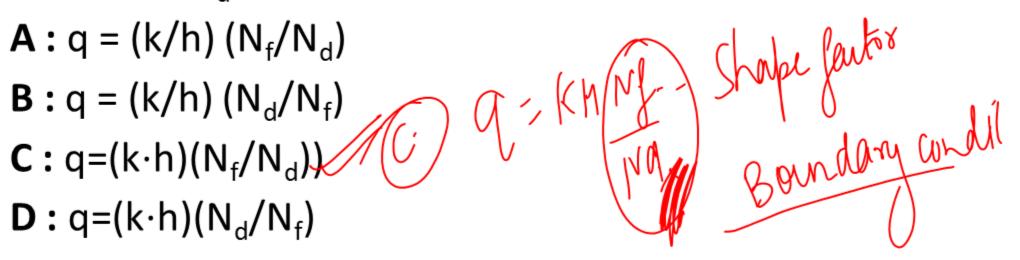
where, k is coefficient of permeability, h is head, N_F is number of flow fields and N_d is number of potential drops.

$$A : q = (k/h) (N_f/N_d)$$

$$B : q = (k/h) (N_d/N_f)$$

$$\mathbf{C}: \mathbf{q} = (\mathbf{k} \cdot \mathbf{h})(\mathbf{N}_{\mathsf{f}}/\mathbf{N}_{\mathsf{d}})$$

$$D: q=(k \cdot h)(N_d/N_f)$$



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

Daily Class – 8:00 PM

Q:) The phenomenon when soil loses its shear strength due to

oscillatory motion is known as:

A: Consolidation

B: Shear failure

C: Liquefaction

D: Sloughing

Sahnatel



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

Daily Class – 8:00 PM

Q:) Degree of consolidation is:

A: directly proportional to time and inversely proportional to drainage path

B: directly proportional to time and inversely proportional to square of drainage path

C: directly proportional to drainage path and inversely proportional to time

D: directly proportional to square of drainage path and inversely proportional to time

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

Daily Class – 8:00 PM

Q:) The shear strength of a soil:

A: is directly proportional to the angle of internal friction of the soil

B: is inversely proportional to the angle of internal friction of the soil

C: decreases with increase in normal stress

D: decreases with decrease in normal stress



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

Daily Class – 8:00 PM

Q:) A vertical retaining wall retains a C- φ (phi) backfill with a surcharge of uniform intensity q per unit area. The depth Z_o where the active earth pressure is zero, is given by

 $A: q/\gamma$

B: (2C'/γ) tanα'-g/γ

C: (2C'/ γ) tan α '+ q/γ

D: (2C'/ γ) tan α '

(a(9+1/z) = 2(J/ta.

(2+2c) tacks

Pa= (a(9+1/2)-26/ka 0=1/2(9+1/2)-2(1/ka



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

Daily Class – 8:00 PM

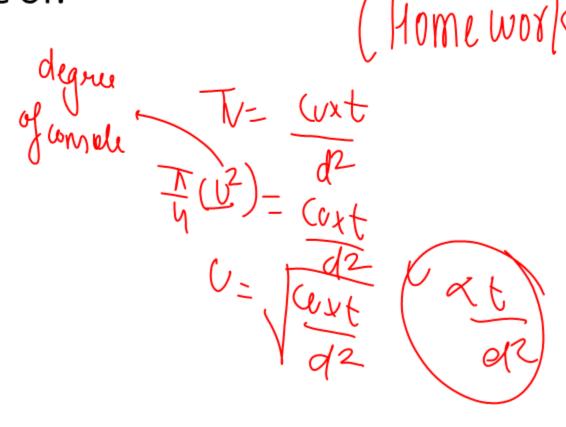
Q:) A vertical rectangular plane surface is submerged in water such that its top and bottom surfaces are 1.5 m and 6.0 m respectively below the free surface. The position of center of pressure below the free surface will be at a distance of:

A: 3.75 m

B: 4.0 m

C: 4.2 m

D: 4.5 m



Heartiest Congratulations To All Selected Candidates From EverExam

ALL STATE JE / AE RESULT































