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UPPSC AE

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Q:) ____ Flooring is available in two forms, namely, tiles and carpet.

A : Marble

B : Plastic

C : Rubble

D : Cork

Q:) A _____ is defined at the upper most part of the building which is constructed in the form of a framework to give protection to the building against rain, heat, snow, wind, etc.

A : Roof

B : Truss

C : Chajja

D : Lintels

Q:) _____ are the inclined members of a truss.

A : Principle rafters

B : Cleats

C : Dragon beam

D : Gable

Q:) The wooden piece which are placed horizontally on the principle rafter to carry the common rafter are known as

A : Pitch

B : Purlins

C : Eaves

D : Gable

Q:) The triangular upper part of a wall formed at the end of pitched roof is known as a

A : Hip

B : Eaves

C : Cleats

D : Gable

Q:) Emulsion paints contain:

A : Nitro cotton

B : Zinc white

C : White lead

D : Polyvinyl acetate

**Q:) How many ingredients are varnishing
composed of?**

A : 2

B : 3

C : 4

D : 5

Q:) _____ varnish is also called french varnish and used for furniture.

A : Oil

B : Water

C : Acrylic

D : Spirit

Q:) What is the average particle size of cement?

A : 15 microns

B : 45 microns

C : 75 microns

D : 100 microns

Q:) What is the depth the needle in Vicat apparatus should penetrate into the cement paste in consistency test?

A : 33 - 35 cm bottom of the mould

B : 33 - 35 mm top of the mould

C : 33 - 35 cm from top of the mould

D : 33 - 35 mm from bottom of the mould

Q:) Which of the below is not an instrument used to set right angles?

A : Cross staff

B : Site square

C : Optical staff

D : Prism square

Q:) In how many ways can ranging be carried out?

A : 2

B : 3

C : 4

D : 5

Q:) Which of the below is not a temporary adjustment of the prismatic compass?

A : Centring

B : Levelling

C : Focussing prism

D : Adjusting sight vane

Q:) Plane table (PT) surveying is a _____ method.

A : Graphical

B : Linear

C : Circular

D : Angular

Q:) How many categories of levelling staff are there?

A : 4

B : 2

C : 3

D : 5

Q:) Which of the following assumptions is wrong, with respect to sedimentation analysis?

A : The soil particles are spherical

B : Particle settle independent of other particles do not have any effect on its velocity of settlements

C : Soil particles has different specific gravity

D : The walls of jar, in which the suspension is kept do not affect the settlement

Q:) Which of the following is the correct hydrometer reading equation?

A : $R = Rh' + Cm \pm CL - Cd$

B : $R = Rh' + cm + CL - Cd$

C : $R = Cm \pm Rm - Cd + CL$

D : $R = Rh + Cm \pm Cd + CL$

Q:) The curve situated at the right side of the particle size distribution curve is _____

A : Coarse-grained soil

B : Fine-grained soil

C : coarse-grained soil

D : None of the mentioned

Q:) The depth of the groove cut by casagrande tool for determining the liquid limit is _____

A : 10 mm

B : 11.0 mm

C : 2 mm

D : 8 mm

Q:) What is the diameter of the sieve that is used for finding the liquid limit?

A : 275 microns

B : 700 microns

C : 425 microns

D : 200 microns

Q:) The number of revolutions per second, at which the handle is rotated in process of finding the liquid limit is _____

A : 2

B : 7

C : 4

D : 9

Q:) The cone which is used to penetrate the soil pat has a central angle of _____

A : 26 degree

B : 30 degree

C : 31 degree

D : 40 degree

Q:) The shrinkage ratio of soil is equal_____ the soil in its dry state.

A : Mass specific gravity

B : Mass density

C : Water content

D : Specific gravity

Q:) The method of providing a definite cross slope by varying thickness of foundations under roads was proposed by?

A : Tresauguet

B : Metcalf

C : Telford

D : Macadam

Q:) The Indian Roads Congress was formed in the year?

A : 1928

B : 1934

C : 1929

D : 1930

Q:) The National Highway network should be expanded so that no part of a country is more than 50km away from NH is policy of which twenty year road development plan?

A : 1st 20 year road development plan

B : 2nd 20 year road development plan

C : 3rd 20 year road development plan

D : 4th 20 year road development plan

Q:) The arterial roads are a classification of which type of roads?

A : Rural roads

B : Urban Rods

C : National highway

D : State highway

Q:) The Nagpur plan formulae assumed which type of pattern?

A : Star and grid

B : Star and circular

C : Hexagonal

D : Circular

Q:) What is the minimum water pressure available at fire hydrants?

A : 80-100kN/m²

B : 100-150kN/m²

C : 40-60kN/m²

D : 150-200kN/m²

Q:) Logistic method is also called as _____

A : Arithmetical increase method

B : Geometrical increase method

C : Incremental increase method

D : Decreased rate of growth method

Q:) Suspended solids are measured by which of the following?

A : Turbidity rod

B : Gravimetric test

C : Chromatography

D : Jackson's turbidity meter

Q:) TCU (True Color Unit) is equivalent to _____

A : The color produced by 1 g of platinum cobalt

B : The color produced by 1 mg of platinum cobalt

C : The color produced by 1 mg of platinum cobalt in 1L of distilled water

D : The color produced by 1 mg of platinum cobalt in 1mL of distilled water

Q:) When depth of insertion of turbidity rod increases, the reading in the turbidity rod ____

A : Decreases

B : Increases

C : First decrease, then increase

D : Remains constant

Q:) What type of irrigation method is also called as trickle irrigation?

A : Sprinkler Irrigation Method

B : Furrow Irrigation Method

C : Drip Irrigation Method

D : Check Flooding

Q:) What is the time interval between the sowing and harvesting of crops?

A : Base period

B : Kor period

C : Crop period

D : Season period

Q:) Superfluous water is also called _____

A : capillary water

B : gravitational water

C : hygroscopic water

D : saturation capacity

Q:) Given that, a particular irrigation field has C.C.A as 200 hectares, out which 150 hectares of land is cultivated for rabi season and 100 hectares of land is cultivated for kharif season. What is the intensity of irrigation for each season?

A : 50%, 100%

B : 120%, 60%

C : 75%, 50%

D : 150%, 75%

Q:) How can we improve the duty of water?

A : Lining of Canals

B : Construction of Weir

C : Construction of Dam

D : Check Dams

Q:) At which point in the entire canal system the duty of water will be more?

A : Head of the Water-course

B : Head of the Minor

C : Head of the Distributary

D : Head of the Branch

Q:) What is water conveyance efficiency?

A : The ratio of the quantity of water delivered to the field and quantity of water pumped into the canal

B : The ratio of water stored in the root zone and the water delivered to the field

C : The ratio of water used beneficially and the water delivered to the field

D : The ratio of water stored in the root zone and the water needed before irrigation

Q:) The mean depth of water is 1.5 cm and the mean deviation from the mean is 0.1 cm. Determine its distribution efficiency.

A : 15%

B : 85%

C : 66.66%

D : 93%



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