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Q : 1) If aggregate completely pass through a sieve of size 75 mm, the particular aggregate will be flaky if its minimum dimension is less than

A : 20.5 mm

B: 30.5 mm

C : 40.5 mm

D : 50.5 mm



Q : 2) Pick up the correct statement from the following

A : Bulking of sand is caused due to formation of a thin film of surface moisture

B : Fine sand bulks more than coarse sand

C : With 10% moisture content by weight the bulking of sand is increased by 50%

D : All options are correct



Q : 3) Los angeles machine is used to test the aggregate for

A : Crushing strength

B : Impact value

C : Abrasion resistance

D : Water absorption



Q : 4) Pick up the correct statement from the following:

A. The free water is the amount of water added while mixing and the amount of water held on the surface of the aggregate prior to mixing.

B. The total water is the free water and the amount actually absorbed by the aggregates.

A : Only A

B : Only B

C : Neither A nor B

D : Both A and B



Q : 5) If aggregate completely pass through a sieve of size 75 mm and are retained on a sieve of size 60 mm, the aggregates will be known as elongated aggregate if its length is not less than

A : 81.5 mm

B : 91.5 mm

C : 101.5 mm

D : 121.5



Q : 6) The type of aggregate of some nominal size, which contains less voids when compacted are:

A : Rounded spherical

B : Irregular

C : Flaky

D : None of these



Q : 7) Pick up the correct statement from the following

A : The bulk density of fine aggregate is usually about 10 percent more than that of coarse aggregate of similar composition

B : The specific gravity of aggregate is important for the determination of the moisture content

C : the absorption and porosity of an aggregate influence the property of the concrete

D : All option are correct



Q : 8) The type of aggregates not suitable for high strength concrete and for pavements subjected to tension is

A : Round aggregates

B : Irregular aggregate

C : Angular aggregate

D : Flaky aggregate



Q : 9) The percentage of the aggregate of F.M. 2.6 to be combined with coarse aggregate of F.M. 6.8 for obtaining the aggregates of F.M. 5.4 is

A : 0.3

B : 0.4

C : 0.5

D : 0.6



Q : 10) Wastage of timber is the maximum in the case of:

A : Ordinary sawing

B : Tangential sawing

C : Radial sawing

D : Quarter sawing



Q : 11) Which of the following is the hardest wood?

A : Babul

B : Chir

C : Teak

D : Shisham



Q : 12) The solution of salts from the soil absorbed by the trees which becomes a viscous solution due to loss of moisture and action of carbon dioxide known as

A : Pith

B : Cambium

C : Bark sid

D : Sap



Q : 13) Which of the timber is used to make the goods that are used in the sports industry?

A : Alder

B : Asanfona

C : Mulberry

D : Balsa



Q : 14) The defect in timber that causes longitudinal separation of woods between the annular rings is known as _____

A : Knots

B : Rind gall

C : Shakes

D : Twisted fibers

Q : 15) Which of the seasoning method is adopted for the rapid seasoning of timber on large scale to obtain any desired moisture content?

A : Air seasoning

B : Boiling process

C : Kiln seasoning

D : Water seasoning



Q : 16) The commonly used thinner in oil paints is :

A : Naptha

B : Turpentine

C : Both (a) and (b)

D : Neither (a) or (b)



Q : 17) Turpentine oil is used in paint

as a

A : Base

B : carrier

C : Drier

D : Thinner



Q : 18) Which of the following is used as the vehicle in the enamel paints?

A : Linseed oil

B : Mustard

C : Varnish

D : Water



Q : 19) The specific gravity of bitumen is

A : 2.09

B : 0.8

C : 0.9

D : 1.09



Q : 20) Which of the following test is used for the bitumen?

A : Slump test

B : Abrasion test

C : Penetration test

D : Fineness test



Q : 21) Following stone is suitable for damp proofing.

A : Slate

B : Marble

C : Laterite

D : Granite



Q : 22) The solidification of molten magma when it reaches the surface of earth results in the formation of-

A : Sedimentary rocks

B : Metamorphic rocks

C : Basalts and traps

D : Granite



Q : 23) The light eight aggregates are obtained from

A : Sedimentary rocks

B : Metamorphic rock

C : Igneous rocks

D : Volcanic source



Q : 24) Which of the following statement is correct?

A : Excess of alumina in the clay makes the brick brittle and weak

B : Excess of alumina in the clay makes the bricks crack and warp on drying

C : Excess of alumina in the clay leaves high power deposit on the brick

D : Excess of alumina in the clay improves impermeability and durability of the brick



Q : 25) Tempering is the process used in the manufacturing of _____

A : Bricks

B : Bitumen

C : Cement

D : Paints



Q : 26) Identify which of cement is not available in Indian market:

A : 23 grades

B : 33 grades

C : 43 grades

D : 53 grades



Q : 27) The lime which has the property of setting in water is known as _____

A : Fat lime

B : Hydraulic lime

C : Hydrated lime

D : Quick lime



Q : 28) Percentage of pozzolanic material containing clay upto 80% used for the manufacture of pozzolana cement is

A : 30%

B : 40%

C : 50%

D : 60%



Q : 29) If 1500 g of required to have 1875 g cement paste of normal consistency, the percentage of water is _____

A : 20%

B : 25%

C : 30%

D : 35%



Q : 30) Which IS code gives specifications about cement plaster?

A : IS 1500

B : IS 1221

C : IS 1400

D : IS 1661



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