

**Q:1 Physical properties which influence permeability are:**

- A : Viscosity only
- B : Unit weight only
- C : Both viscosity and unit weight
- D : None of these

**Q : 2 Deposit gauges are provided with copper sulphate solution.**

- A : To prevent the growth of bacteria
- B : To prevent the growth of algae
- C : To scare birds
- D : To prevent the decomposition of SPM

**Q : 3 The pipe which is used to carry discharge from sanitary fittings like bathrooms, kitchen etc, is called.**

- A : Waste pipe
- B : Soil Pipe
- C : Vent pipe
- D : None of these

**Q : 4 Wastage of timber is the maximum in the case of:**

- A : Ordinary sawing
- B : Tangential sawing
- C : Radial sawing
- D : Quarter sawing

**Q : 5 Plywood is specified by:**

- A : Weight
- B : Volume
- C : Thickness
- D : Number of layers

**Q : 6 The preliminary test is repeated if the difference in compressive strength of three test specimen, exceeds**

- A : 5 kg
- B : 8 kg
- C : 10 kg
- D : 15 kg

**Q : 7 No shrinkage occurs if the concrete is placed in a relative humidity of**

- A : 1
- B : 0.85
- C : 0.7
- D : 0.5

**Q : 8 The defect in timber that arises due to the swelling caused by growth of layers of sap wood over the wounds after branch is cut off is called as\_\_\_\_\_.**

- A : Checks
- B : Knots
- C : Shakes
- D : Rind gall

**Q : 9 The percentage of the aggregate of F.M. 2.6 to be combined with coarse aggregate if 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 The solution of salts from the soil absorbed by the trees which becomes viscous solution due to loss of moisture and action of carbon dioxide known as**

- A : Pith
- B : Cambium
- C : Bark Sid
- D : Sap

**Q : 11 If cylinder specimen is used to test compressive strength of concrete, equivalent cubes strength can be found using.**

- A : 3/4th strength of cylinder
- B : 5/4th strength of cylinder
- C : 5/6th strength of cylinder
- D : 1/4th strength of cylinder

**Q : 12 Pollutant Standards Index (PSI) value in between 101-199 denotes the air quality as**

- A : Good
- B : Moderate
- C : Unhealthy
- D : Hazardous

**Q : 13 A septic tank is**

- A : A setting tank
- B : A digestion tank
- C : Both (a) and (b)
- D : None of these

**Q : 14 In which of the following case Bethel process is used?**

- A : Brick manufacturing
- B : Cement manufacturing
- C : Manufacturing of bituminous material
- D : Treatment of timber

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Q : 15 Internal friction between the ingredients of concrete, its decreased by using.

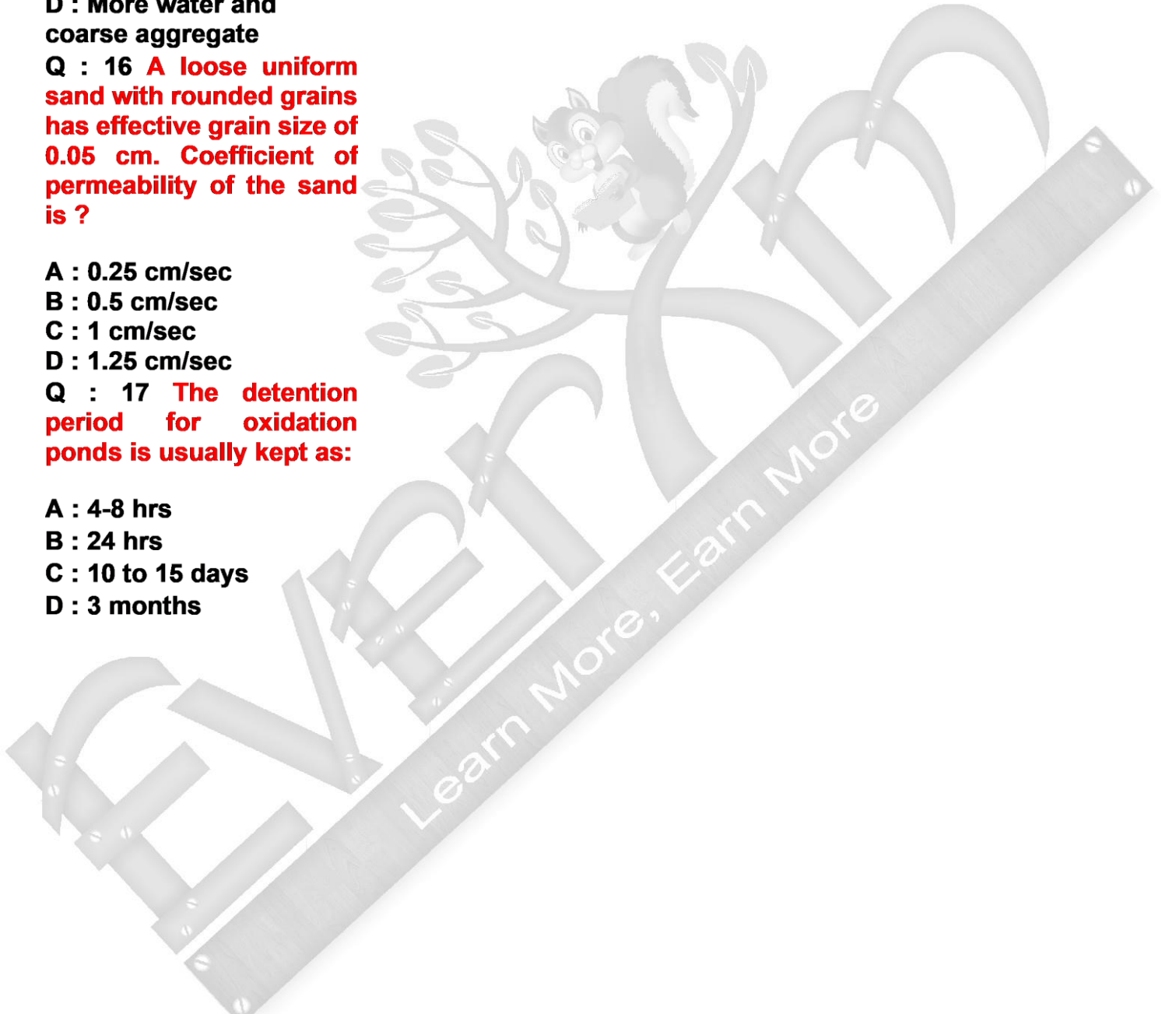
- A : Less water
- B : Fine aggregate
- C : Rich mix
- D : More water and coarse aggregate

Q : 16 A loose uniform sand with rounded grains has effective grain size of 0.05 cm. Coefficient of permeability of the sand is ?

- A : 0.25 cm/sec
- B : 0.5 cm/sec
- C : 1 cm/sec
- D : 1.25 cm/sec

Q : 17 The detention period for oxidation ponds is usually kept as:

- A : 4-8 hrs
- B : 24 hrs
- C : 10 to 15 days
- D : 3 months



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