

## QUIZ NO: 572

### TOPIC: CONCRETE TECHNOLOGY

DATE: 26/03/2022

1. The bulk density of aggregates does not depend upon:

- [A] Size and shape of aggregates
- [B] Specific gravity of aggregates
- [C] Grading of aggregates
- [D] Size and shape of the container

**Answer: D**

2. An aggregate is said to be flaky if its least dimension is less than

- [A]  $1/5^{\text{th}}$  of mean dimension
- [B]  $2/5^{\text{th}}$  of mean dimension
- [C]  $3/5^{\text{th}}$  of mean dimension
- [D]  $4/5^{\text{th}}$  of mean dimension

**Answer: C**

**3. The function of aggregates in concrete is to serve as**

- [A] Binding material
- [B] Filler
- [C] Catalyst
- [D] All of these

**Answer: B**

**4. The sum of percentages of all deleterious materials in the aggregate shall not exceed**

- [A] 5%
- [B] 10%
- [C] 15%
- [D] 20%

**Answer: A**

**5. If the fineness modulus of sand is 3, then the sand is graded as**

- [A] Very fine sand
- [B] Fine sand
- [C] Medium sand
- [D] Coarse sand

**Answer: D**

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**6. In the manufacture of cement, the dry or wet mixture of calcareous and argillaceous materials is burnt in a**

- [A] Country kiln
- [B] Continuous flare kiln
- [C] Rotary kiln
- [D] All of these

**Answer: C**

**7. The chemical ingredient of cement which provides quick setting property to the cement is**

- [A] Lime
- [B] Silica
- [C] Alumina
- [D] Iron oxide

**Answer: C**

**8. After the final grinding, the cement is sieved through IS sieve number**

- [A] 9
- [B] 12
- [C] 24
- [D] 48

**Answer: A**

**9. Efflorescence in cement is caused due to the excess of**

- [A] Silica
- [B] Lime
- [C] Alkalis
- [D] Iron oxide

**Answer: C**

**10. The presence of di calcium silicate in cement**

- [A] Hydrates the cement slowly
- [B] Generates less heat of hydration
- [C] Has more resistance to sulphate attack
- [D] All of these

**Answer: D**

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