

QUIZ NO: 456

TOPIC: CONCRETE TECHNOLOGY

DATE: 17/06/2021

1. Which test is not related to workability of concrete?

- [A] Consistency test
- [B] Compaction factor test
- [C] Slump test
- [D] Vee- bee consistometer test

Answer: A

2. Which is the type of reaction develops in setting and hardening of cement?

- [A] Oxidation
- [B] Hydration
- [C] Calcination
- [D] Reduction

Answer: B

3. Who established a relationship between water- cement ratio and strength of concrete?

- [A] Cassagrade
- [B] Atterberg
- [C] Dutt Abrahms
- [D] KI Terzaghi

Answer: C

4. Workability is mainly related to:

- [A] Cement content
- [B] Aggregate content
- [C] Super plasticizers
- [D] Water - cement ratio

Answer: D

5. What is the density of cement in bulk form?

- [A] 2400 kg/m³
- [B] 1440 kg/m³
- [C] 2500 kg/m³
- [D] 1700 kg/m³

Answer: B

6. Le - Chatliers equipment is used to find:

- [A] Soundness
- [B] Consistency
- [C] Initial setting time
- [D] Final setting time

Answer: A

7. The common admixture used to accelerate the initial set of concrete is

- [A] Gypsum
- [B] Calcium chloride
- [C] Mixture of bitumen and inert material
- [D] By- product of bitumen

Answer: B

8. Lime mortar is made by:

- [A] Quick lime
- [B] Fat lime
- [C] Hydraulic lime
- [D] White lime

Answer: C

9. The Ingredient which imparts Quick setting property to the cement is:

- [A] Silica
- [B] Calcium sulphate
- [C] Magnesia
- [D] Alumina

Answer: D

10. Percentage of gypsum added in cement manufacturing is

- [A] 2-3%
- [B] 4-6%
- [C] <1%
- [D] >5%

Answer: A

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