

**QUIZ NO: 479**

**TOPIC: CONCRETE TECHNOLOGY**

**DATE: 10/08/2021**

**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/m<sup>3</sup>
- [B] 1440 kg/m<sup>3</sup>
- [C] 2500 kg/m<sup>3</sup>
- [D] 1700 kg/m<sup>3</sup>

**Answer: B**

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**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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