Assignment 5

Due on 2021-02-24, 23:59 IST.

9. In the context of materials in concrete, consider the following statements:

Statement 1: The properties of mortar are related to the characteristics of sand and the sand content.

Statement 2: The properties of concrete are related to the characteristics and content of coarse aggregates.

Choose the best alternative among the following:

- Both the statements are True.
- Statement 1 is True and Statement 2 is False.
- Statement 1 is False and Statement 2 is True.
- Both the statements are False.

10. In the context of self-compacting concrete, consider the following statements:

Statement 1: Long slumps are necessary to demonstrate the flowing ability of concrete.

Statement 2: Long slumps are not used to demonstrate the flowing ability of concrete.

Choose the best alternative among the following:

- Both the statements are True.
- Statement 1 is True and Statement 2 is False.
- Statement 1 is False and Statement 2 is True.
- Both the statements are False.

11. In the context of flexural ability of concrete, consider the following statement:

Statement 1: In the ability of fresh concrete to fill the spaces within the framework, no external work.

Statement 2: In the ability of fresh concrete to fill the spaces within the framework, significant external work.

Choose the best alternative among the following:

- Both the statements are True.
- Statement 1 is True and Statement 2 is False.
- Statement 1 is False and Statement 2 is True.
- Both the statements are False.

12. In the context of viscosity of concrete, consider the following statement:

Statement 1: Concrete with a low viscosity will have a quick flow, thereby may continue to creep forward over an extended time.

Statement 2: The viscosity of RCC is unreasonably the V/C ratio test.

Choose the best alternative among the following:

- Both the statements are True.
- Statement 1 is True and Statement 2 is False.
- Statement 1 is False and Statement 2 is True.
- Both the statements are False.