Assignment 4

Due on 2019-08-28, 23:59 IST.

1. Which of the following has the highest amount of silica:
   - Type C Fly Ash
   - Type F Fly Ash
   - Silica Fume
   - Ground granulated blast furnace slag
   Accepted Answers:
   Silica Fume

2. Which of the following admixture requires the minimum amount of energy for production:
   - Cement
   - Lime
   - Rice husk ash
   - Fly ash
   Accepted Answers:
   Fly ash

3. What is the effect of mineral admixtures on the initial and final setting time of cement?
   - Increases significantly
   - Decreases significantly
   - No adverse or significant effect
   Accepted Answers:
   No adverse or significant effect

4. Which of the following mineral admixtures lower the heat of hydration (this question has more than one correct answer):
   - Fly ash
   - GGBFS
   - Silica fume
   - All of the above
   Accepted Answers:
   Fly ash, GGBFS

5. Which of the following mineral admixture results in reduction of water demand:
   - Fly ash
   - GGBFS
   - Silica fume
   - Rice husk ash
   Accepted Answers:
   Fly ash, GGBFS

6. Which of the following mineral admixture requires the highest dosage of superplasticizer:
   - Fly ash
   - GGBFS
   - Silica fume
   - Rice husk ash
   Accepted Answers:
   Rice husk ash

7. Which of the following mineral admixtures result in increase in early strength gain of cement (this question has more than one correct answer):
   - Fly ash
   - GGBFS
   - Silica fume
   - Rice husk ash
   Accepted Answers:
   Silica fume, Rice husk ash

8. Which of the following is used for obtaining high strength concrete:
   - Fly ash
   - GGBFS
   - Silica fume
   - Rice husk ash
   Accepted Answers:
   Silica fume