Assignment 0

The due date for submitting this assignment has passed.

Due on 2020-01-27, 23:59 IST.

Note: This assignment is only for practice purpose and it will not be counted towards the final score.

1. The hydration product that is known to contribute to the early setting is: 1 point
   - Calcium silicate hydrate (C-SH)
   - Calcium hydroxide
   - Calcium sulphate aluminate
   - All of the above
   No, the answer is incorrect.
   Accepted Answers:
   - Calcium silicate hydrate

2. Supplementary cementitious materials, hydrated in form additional CSH with the consumption of:
   7 points
   - Undensified cement
   - Calcium hydroxide
   - Calcium sulphate aluminate
   - Opus
   No, the answer is incorrect.
   Accepted Answers:
   - Calcium sulphate aluminate

3. The passive film over the steel reinforcement in concrete is stable when the levels of pH below 11.5. 7 points
   - True
   - False
   No, the answer is incorrect.
   Accepted Answers:
   - False

4. 8-day of hydration are not used to identify the physical properties of which of the following? 7 points
   - Slurry
   - Lime
   - Lime-pozzolan materials
   - Solid
   - Slag
   No, the answer is incorrect.
   Accepted Answers:
   - Solid

5. With the study of the absorption of _______ byin a magnetic field, to study the structure of substances. 7 points
   - Radiocative radiation
   - Microwave radiation
   - Radio frequency radiation
   - Microwaves
   No, the answer is incorrect.
   Accepted Answers:
   - Microwave radiation

6. Elementary particles such as electrons and neutrons have the property of spin. 7 points
   - True
   - False
   No, the answer is incorrect.
   Accepted Answers:
   - False

7. Spectroscopy deals with interaction of electromagnetic radiation with matter. What is the speed of the radiation in vacuum in m/s? 7 points
   - 3 x 10^8
   - 5 x 10^8
   - 2 x 10^8
   - 7 x 10^8
   - 3 x 10^8
   No, the answer is incorrect.
   Accepted Answers:
   - 2 x 10^8

8. Which of the following is used in electron microscope? 7 points
   - Electron beams
   - Magnetic fields
   - Light beams
   - Electron beams and magnetic fields
   No, the answer is incorrect.
   Accepted Answers:
   - Electron beams and magnetic fields

9. What is the minimum distance for the eye to focus any object? 7 points
   - 11 mm
   - 25 mm
   - 50 mm
   - 65 mm
   No, the answer is incorrect.
   Accepted Answers:
   - 25 mm

10. Total magnification of a light microscope is obtained by: 7 points
    - Magnifying power of the objective lens
    - Magnifying power of the eyepiece
    - Magnifying power of objective lens
    - Magnifying power of both the objective lens and optical system
    No, the answer is incorrect.
    Accepted Answers:
    - Magnifying power of both the objective lens and optical system