

# Unit 4 - Week 3

## Course outline

### How to access the portal

#### Week 1

#### Week 2

#### Week 3

- Fuel for Cement
- Cementitious/ Supplementary Cementitious Materials and Their Characterization
- Strength of Concrete With Supplementary Cementitious Materials and Composite Cements
- Types of Composite Cements
- PDF File
- Quiz : Week 3 Assignment 3
- Feedback Form

#### Week 4

#### Week 5

#### Week 6

#### Week 7

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#### Week 9

#### Week 10

#### Week 11

#### Week 12

#### Solution of Assignment

## Week 3 Assignment 3

The due date for submitting this assignment has passed.  
As per our records you have not submitted this assignment.

**Due on 2019-08-21, 23:59 IST.**

1) Heat of combustion is measured in \_\_\_\_\_?

- kJ/kg
- kJ/mol
- J/g
- kJ/m<sup>3</sup>

No, the answer is incorrect.

Score: 0

Accepted Answers:

*kJ/mol*

1 point

2) Heating value is also called

- Heat of combustion
- Calorific value
- Specific value
- Energy value

No, the answer is incorrect.

Score: 0

Accepted Answers:

*Calorific value*

*Energy value*

1 point

3) Exergy required for converting C to CO<sub>2</sub> is:

- 555.62 kJ/mol
- 436.4 kJ/mol
- 408.8 kJ/mol
- 697.33 kJ/mol

No, the answer is incorrect.

Score: 0

Accepted Answers:

*408.8 kJ/mol*

1 point

4) Match the following:

1	Fly Ash	A	Silicon and ferro silicon industry
2	GGBFS	B	Produced by burning rice husk
3	Silica Fume	C	Collected from ESP of Thermal Power plant
4	Rice husk ash	D	Slag removed from blast furnace

- 1-B,2-C,3-D,4-A
- 1-D,2-B,3-A,4-C
- 1-C,2-D,3-B,4-A
- 1-C,2-D,3-A,4-B

No, the answer is incorrect.

Score: 0

Accepted Answers:

*1-C,2-D,3-A,4-B*

1 point

5) Which of the following pozzolans is the smallest in size?

- Silica fume
- Fly ash
- Calcined clay
- Cement particles

No, the answer is incorrect.

Score: 0

Accepted Answers:

*Silica fume*

1 point

6) Adding mineral admixtures to concrete:

- Enhances strength
- Lowers porosity
- Improves the microstructure
- All of the above

No, the answer is incorrect.

Score: 0

Accepted Answers:

*All of the above*

1 point

7) Which of the following pozzolanic material is likely to result in the highest early strength in concrete?

- GGBFS
- Silica fume
- Class C fly ash
- Rice husk ash

No, the answer is incorrect.

Score: 0

Accepted Answers:

*Silica fume*

1 point

8) Which of the following is not true for high belite cement?

- Can be used in pavements in freeze thaw conditions
- Has a very high porosity
- Can be used for sewage pipelines
- None of the above

No, the answer is incorrect.

Score: 0

Accepted Answers:

*Has a very high porosity*

1 point