## Assignment no. 10

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

Due on 2018-10-10, 23:59 IST.

1) Which type of waste is disposed of in the form of slurry?

- [ ] Ash from thermal power plant
- [ ] Municipal solid waste
- [ ] Biomedical waste
- [ ] All of above

No, the answer is incorrect.

Score: 0

Accepted Answers:

- [ ] Ash from thermal power plant

2) Indicate the correct statement for coal ash:

- [ ] Specific gravity is higher than natural soils, fine particle shapes are spherical and it is non-plastic
- [ ] Specific gravity is lower than natural soils, fine particle shapes are spherical and it is plastic
- [ ] Specific gravity is higher than natural soils, fine particle shapes are angular and it is plastic
- [ ] Specific gravity is lower than natural soils, fine particle shapes are spherical and it is non-plastic

No, the answer is incorrect.

Score: 0

Accepted Answers:

- [ ] Specific gravity is lower than natural soils, fine particle shapes are spherical and it is non-plastic
4) Inflow pipe in a slurry pond should be at a sufficient distance from the decant tower so as to:

- [ ] Allow more rate of inflow
- [ ] Allow time for solid particles to settle down
- [ ] Allow adequate depth of slurry water
- [x] Appear visually aesthetic

No, the answer is incorrect.
Score: 0
Accepted Answers: 
- Allow time for solid particles to settle down

5) The particle size of slurry waste predominantly lies in the range of:

- [x] Silty sand
- [ ] Gravel
- [ ] Cobble
- [ ] All of above

No, the answer is incorrect.
Score: 0
Accepted Answers: 
- Silty sand

6) The concentration of solids in high concentration slurry type of waste is found as:

- [ ] less than 5%
- [ ] 5 to 15%
- [ ] 60 to 70%

No, the answer is incorrect.
Score: 0
Accepted Answers: 
- 60 to 70%

7) At which of the following thermal plant, ash is disposed in dry form?

- [x] Dadri
- [ ] Badarpur
- [ ] Panipat
- [ ] All of above

No, the answer is incorrect.
Score: 0
Accepted Answers: 
- Dadri

8) Indicate the correct statement:

- [x] Conveyor belts
- [x] All of above

No, the answer is incorrect.
Score: 0
Accepted Answers: 
- All of above
9) Which of the following chemical compound is found in maximum concentration in fly ash? **1 point**

- Silicon dioxide
- Magnesium oxide
- Iron oxide
- All of above

No, the answer is incorrect.
Score: 0
Accepted Answers:
 silicon dioxide

10) Which of the following statement is correct with reference to the geotechnical properties of bottom ash produced by thermal power plant? **1 point**

- It has the coefficient of permeability between $10^{-2}$ to $10^{-4}$ cm/sec
- The angle of internal friction ranges between $38^\circ$ to $42^\circ$
- It has much lower value of compressibility in comparison with fly ash
- All of above

No, the answer is incorrect.
Score: 0
Accepted Answers:
all of above

11) Which of the following volume-change behavior is exhibited by loose pond ash in direct shear tests during drained shear? **1 point**

- Dilatant behavior
- Compressive behavior
- Constant volume change behavior

No, the answer is incorrect.
Score: 0
Accepted Answers:
compressive behavior

12) Which of the following material is observed in maximum concentration near the inflow point in ash pond? **1 point**

- Sand sized material
- Silt sized material
- Clay sized material
- None of above
No, the answer is incorrect.
Score: 0
Accepted Answers:
Sand sized material