### Assignment 11

The due date for submitting this assignment has passed.

#### 1. What are the problems associated with soil erosion?
- Loss of topsoil
- Loss of organic matter
- Loss of soil fertility
- Loss of erosion control capacity due to flooding
  - All of the above
  - No, the answer is incorrect.

#### 2. What are the main factors leading to soil erosion on hill slopes?
- Wind
- Rain fall
- Sun
- Loss of vegetation on hill slopes
  - All of the above

#### 3. What are the methods for preventing surface erosion on embankment slopes?
- Gravel, concrete, or asphalt
- Grass and turf for hillsides
- Artificial gravels or embankments
- All of the above

#### 4. Which of the following statements are correct?
- Inundation is high for all and fine sand.
- Embankment is low for all and fine sand.
- Embankment is low for clay soils
  - No, the answer is incorrect.

#### 5. Choose some possible applications for natural geosynthetics?
- Reinforcement of embankments
- Reinforcement of structures
- Accelerated construction of embankments
  - All of the above

#### 6. What is meant by sustainable development?
- Project is completed on time at last place.
- Project is completed within the budget limits.
- Project is completed with respect to the natural resources.
  - All of the above

#### 7. Natural forces include the following.
- Ocean tides
- Wave tides
- Earth's tides
- Synoptic tides
  - All of the above

#### 8. The reduction of erosion potential due to surface vegetation is due to.
- Root system of plants
- Blocking down of surface runoff
- Blocking run-off
- Decrease of the vegetated area.
  - All of the above

#### 9. Some geotechnical solutions to erosion control on sea shores with severe wave and tidal conditions are.
- Use of geogrids
- Use of stone fill techniques
- Use of string barriers
- Use of geotextiles
  - All of the above

#### 10. Some reasons for effectiveness of clay substrates for vegetation growth on embankment slopes are.
- High tensile strength
- Moderate-attraction capacity
- Nutrient for plants as they biodegrade
- All of the above
  - No, the answer is incorrect.