Unit 6 - Week 5

Assignment 5

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

Due on 2019-03-06, 23:59 IST.

1) The ancient river ________ debouched in the Arabian sea while through Rajasthan and Kachchh regions:

- Indus
- Euphrates
- Ganga
- Sarasvati

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

2) Kachchh is characterized as the __________ region but falls in seismic zonation ________, which means the area is seismically very active.

- Stable, IV
- Active, IV
- Stable, V
- Active, V

No, the answer is incorrect.
Score: 0
Accepted Answers:
Stable, V

3) The earthquake secondary features which are common in Kachchh are __________.

- Sand Blows
- Fault Scarps
- Strath Terraces
- Sag Ponds

No, the answer is incorrect.
Score: 0
Accepted Answers:
Sand Blows
4) The cohesiveless nature of sediments from the combination of _______ and _______ that led to the formation of sand dikes during liquefaction.

- Clay, Silt
- Sand, Silt
- Sand, Clay
- None of the above

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

5) Liquefaction features won't develop at greater depths because of increase in ___________.

- Pore water pressure
- Overburden pressure
- Shear stress
- Normal effective stress

No, the answer is incorrect.
Score: 0
Accepted Answers:
- Normal effective stress

6) With ___________ in the thickness of the ___________ layer more ground acceleration will be required to liquefy the sediments.

- increase, capping
- decrease, underlying
- increase, underlying
- similar, capping

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

7) Increase in the ___________ results into sudden movement of sediment blocks causing ___________.

- overburden, faulting
- normal effective stress, lateral spreading
- pore water pressure, lateral spreading
- shear stress, thrust faulting

No, the answer is incorrect.
Score: 0
Accepted Answers:
- pore water pressure, lateral spreading

8) Liquefaction features caused by an earthquake of around 7 magnitude would be around ___________ of km.

- tens
- hundreds
9) The earthquake hazard assessment studies started after the occurrence of ___________ 1 point
earthquake.

- 2015 Gorkha
- 1897 Assam
- 2001 Bhuj
- 1905 Kangra Valley

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

10) The ________ gas escape through the newly formed cracks with __________ in electrical 1 point
resistivity and thus increasing the microseismicity accompanied by foreshocks.

- nitrogen, increase
- oxygen, decrease
- radon, decrease
- helium, increase

No, the answer is incorrect.
Score: 0
Accepted Answers: radon, decrease