Assignment 6

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

1) The preferred fiber(s) amongst the following for geotextile are

- Polypropylene
- Polyethylene
- Polyester
- Cotton

No, the answer is incorrect.
Score: 0
Accepted Answers:
- Polypropylene
- Polyethylene
- Polyester

2) The correct statement(s) amongst the following is/are

- Use of air or steam for bonding of nonwovens leads to soft and low dexterity fabrics
- Use of air or steam for bonding of nonwovens leads to compact and thin fabrics
- Calendar bonding leads to stable and low diffusion nonwoven
- Calendar bonding leads to soft and low dexterity fabrics

No, the answer is incorrect.
Score: 0
Accepted Answers:
- Use of air or steam for bonding of nonwovens leads to soft and low dexterity fabrics
- Calendar bonding leads to stable and low diffusion nonwoven

3) Shear strength of geotextile with soil is obtained using

- Pull-out test
- Push down test
- Buckling test
- Tear test

No, the answer is incorrect.
Score: 0
Accepted Answers:
- Pull-out test

4) Percent open area

- Is used for woven geotextiles
- Is used for nonwoven geotextiles
- Represents open area to total area of the geotextile
- Represents void volume to the total volume of geotextiles

No, the answer is incorrect.
Score: 0
Accepted Answers:
- Is used for woven geotextiles
- Represents open area to total area of the geotextile

5) The correct statement(s) amongst the following for the transmission characteristics of geotextile are

- Permeability is measured along the plane of the geotextile
- Permeability is measured across the plane of the geotextile
- Transmission is measured along the plane of the geotextile
- Transmission is measured across the plane of the geotextile

No, the answer is incorrect.
Score: 0
Accepted Answers:
- Permeability is measured across the plane of the geotextile
- Transmission is measured along the plane of the geotextile

6) During creep testing of geotextile

- Load is constant
- Extension is constant
- Thickness of geotextile decreases
- Thickness of geotextile increases

No, the answer is incorrect.
Score: 0
Accepted Answers:
- Load is constant
- Thickness of geotextile decreases

7) Global factor of safety

- Is the ratio of allowable property to required property
- Is the ratio of required property to allowable property
- If sufficiently more than 1 is acceptable for geotextile
- If around 1 is acceptable for geotextile

No, the answer is incorrect.
Score: 0
Accepted Answers:
- Is the ratio of allowable property to required property
- If sufficiently more than 1 is acceptable for geotextile

8) The correct statement(s) amongst the following is/are

- Heat bonded nonwoven has higher modulus than needle punched nonwoven
- Heat bonded nonwoven has lower modulus than needle punched nonwoven
- Needle punched nonwoven has higher modulus than film woven fabrics
- Needle punched nonwoven has lower modulus than film woven fabrics

No, the answer is incorrect.
Score: 0
Accepted Answers:
- Heat bonded nonwoven has higher modulus than needle punched nonwoven
- Needle punched nonwoven has lower modulus than film woven fabrics

9) Clay particles

- 99% of pores are smaller than that specified size of particles
- 99% of pores are larger than that specified size of particles
- 99% of soil particles are passing through geotextile
- 99% of soil particles are passing through geotextile

No, the answer is incorrect.
Score: 0
Accepted Answers:
- 99% of pores are smaller than that specified size of particle
- 5% of soil particles are passing through geotextile

Due on 2020-10-28, 23:59 IST