Assignment 4

The due date for submitting this assignment has passed.

You can still submit this assignment for feedback, but no grades will be recorded.

Questions A.8 (Choose correct options. Mark all correct answers)

1. For a tensile test, it is desirable that the
   - Elasticity of the parent yarn should be high.
   - Crystallinity of the test sample should be high.
   - Orientation of the test sample should be high.
   - Density of the test sample should be high.

   No, the answer is incorrect.

2. Diameter and density of the test sample should be as low as possible.
   - Diameter and density of the test sample should be as low as possible.
   - No, the answer is incorrect.
   - No, the answer is incorrect.

3. The room temperature of the test sample should be high.
   - Crystallinity of the test sample should be high.
   - No, the answer is incorrect.
   - No, the answer is incorrect.

4. In the context of thermomechanical testing, the specific heat of the
   - Parent yarn should be as high as possible.
   - Parent yarn should be as low as possible.
   - Parent yarn should be as high as possible.
   - No, the answer is incorrect.

5. The cooling length of a test bar testing machine should be long if the
   - Thermal conductivity of the test bar is poor.
   - Thermal conductivity of the test bar is poor.
   - No, the answer is incorrect.
   - No, the answer is incorrect.

6. Consider the following assertion A1 and water R1 in the context of stretch potential of test yarn
   - The higher the test bar length, the lower is the recovery from deformation.
   - No, the answer is incorrect.
   - No, the answer is incorrect.

7. Consider the following assertion A2 and water R2 in the context of thermomechanical testing of cotton
   - The linear expansion of this fabric would be lower at this temperature
   - No, the answer is incorrect.
   - No, the answer is incorrect.

8. Consider the following assertion A3 and water R3 in the context of stretch potential of polyester yarn
   - The tensile testing should be done in the range where the fiber shows high amorphous volume percent in the test yarn
   - No, the answer is incorrect.
   - No, the answer is incorrect.

9. b1 is correct
   - No, the answer is incorrect.
   - No, the answer is incorrect.

10. The stretch recovery of the test yarn should be 1.50 m at 1000 min, the resistance time (t), in the heater, should be up to four electrical periods.
   - No, the answer is incorrect.

11. a1 is correct
   - No, the answer is incorrect.

12. No, the answer is incorrect.

13. Type: Check (Correct/Incorrect)

   Accepted Answer: Correct

Duedate: 02-23-2021, 23:59:59 IST