Assignment 12

Due on 2020-04-22, 23:59 IST.

Question 1. If two rubbing fabrics are rub tested, a large number of abraded fibers will be released from the fabric. Which of the following is the correct action regarding this observation?

(a) The fibers should be washed and re-tested.
(b) The test should be repeated with a different type of fabric.
(c) The fibers should be analyzed to determine their source.
(d) The tester should be calibrated.

Answer: (c) The fibers should be analyzed to determine their source.

1 point

Question 2. During the process of knitting, the yarns are fed through the knitting machine. Which of the following is true regarding the feeding of yarns through the knitting machine?

(a) The yarns are fed through the machine in a random order.
(b) The yarns are fed through the machine in a predetermined sequence.
(c) The yarns are fed through the machine without any specific order.
(d) The yarns are fed through the machine based on their color.

Answer: (b) The yarns are fed through the machine in a predetermined sequence.

1 point

Question 3. In the process of scouring, which of the following is true regarding the temperature of the water used for scouring?

(a) The temperature of the water should be as low as possible.
(b) The temperature of the water should be moderate.
(c) The temperature of the water should be as high as possible.
(d) The temperature of the water has no effect on the scouring process.

Answer: (b) The temperature of the water should be moderate.

1 point

Question 4. In the process of bleaching, which of the following is true regarding the bleaching solution?

(a) The bleaching solution should be highly acidic.
(b) The bleaching solution should be highly alkaline.
(c) The bleaching solution should be neutral.
(d) The bleaching solution should be a mixture of acids and bases.

Answer: (b) The bleaching solution should be highly alkaline.

1 point

Question 5. During the process of printing, which of the following is true regarding the choice of ink?

(a) The ink should be highly saturated.
(b) The ink should be highly pigment-based.
(c) The ink should be highly transparent.
(d) The ink should be highly water-based.

Answer: (b) The ink should be highly pigment-based.

1 point

Question 6. In the process of dyeing, which of the following is true regarding the choice of dye?

(a) The dye should be highly absorbable.
(b) The dye should be highly soluble.
(c) The dye should be highly resistant to light.
(d) The dye should be highly stable.

Answer: (b) The dye should be highly soluble.

1 point

Questions 7-10 carry 2 marks each

7. Consider the following assertion (A) and reason (R) below. Are they true?

(A) Cotton fibers have a lower density than wool fibers.

(R) Cotton fibers are softer than wool fibers.

Are both A and R true or false, respectively?

Answer: Both A and R are false.

2 points

8. Consider the following assertion (A) and reason (R) below.

(A) The spinning process is essential in the production of yarns.

(R) The spinning process is used to transform the raw material into a form that can be woven or knitted.

Are both A and R true or false, respectively?

Answer: Both A and R are true.

2 points

9. Consider the following assertion (A) and reason (R) below.

(A) The dyeing process is used to change the color of the fabric.

(R) The dyeing process is used to change the texture of the fabric.

Are both A and R true or false, respectively?

Answer: A is true, R is false.

2 points

10. Consider the following assertion (A) and reason (R) below.

(A) The finishing process is used to improve the appearance of the fabric.

(R) The finishing process is used to improve the durability of the fabric.

Are both A and R true or false, respectively?

Answer: Both A and R are true.

2 points

The test concludes here. Thank you for participating.