Assignment 1

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

Due on 2020-02-12, 23:59 IST.

Note: Choose correct options. More than one answer may be correct. All questions carry 2 marks.

1. Soaking of cotton fabric is done to:
   - Optimize the pH of fabric
   - Increase the absorbance and homogeneity of fabric
   - Increase the color absorption capacity
   - Remove dry matter
   - None of the above
   2 points

2. Mention one of the common dyes used in printing:
   - Direct dye
   - Reactive dye
   - Disperse dye
   - None of the above
   2 points

3. Consider the following assertion (A) and reason (R) in the context of Pre-treatment of cotton fabric:
   A: Relieve the fabric from the starch.
   R: Increases fabric absorbency.
   [A and R are correct.
   A and R are both incorrect.
   A is correct, R is incorrect.
   A is incorrect, R is correct.
   None of the above.
   2 points

4. Consider the following assertion (A) and reason (R) in the context of printing:
   A: Applying mordant to good for printing solution with reactive dyes.
   R: Increases depth of color.
   [A and R are correct.
   A and R are both incorrect.
   A is correct, R is incorrect.
   A is incorrect, R is correct.
   None of the above.
   2 points

5. Consider the following assertion (A) and reason (R) in the context of printing.
   A: Repeating the same steps of printing.
   R: Increases depth of color.
   [A and R are correct.
   A and R are both incorrect.
   A is correct, R is incorrect.
   A is incorrect, R is correct.
   None of the above.
   2 points

6. Consider the following assertion (A) and reason (R) in the context of printing.
   A: Repeating the same steps of printing.
   R: Increases depth of color.
   [A and R are correct.
   A and R are both incorrect.
   A is correct, R is incorrect.
   A is incorrect, R is correct.
   None of the above.
   2 points

7. Consider the following molecules:

   ![Molecules](image)

   A: Direct dye
   B: Disperse dye
   C: Reactive dye
   D: Mordant dye
   [A and C are correct.
   A and D are correct.
   B and C are correct.
   B and D are correct.
   None of the above.
   2 points

8. The pH of cellulose is:
   - 11-12
   - 8-9
   - 7-8
   - 6-7
   - 5-6
   2 points

9. Consider the following assertion (A) and reason (R) in the context of printing:
   A: Repeating the same steps of printing.
   R: Increases depth of color.
   [A and R are correct.
   A and R are both incorrect.
   A is correct, R is incorrect.
   A is incorrect, R is correct.
   None of the above.
   2 points

10. A solution with a high concentration of dye will:
    - Increase the absorbence of the fabric
    - Increase the color tenacity of the fabric
    - Decrease the color tenacity of the fabric
    - None of the above
    2 points