Assignment 3

Due on 2020-02-15, 23:59 IST.

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

1. Reduction of indigo
   a. Precipitate forms which is difficult to settle back to indigo
   b. Increases solubility
   c. Converts indigo to gallocyanine
   d. Converts indigo to hydrosol
   2 points

2. Which of the following surfactants is used for printing?
   a. Anionic surfactant
   b. Non-ionic surfactant
   c. Cationic surfactant
   d. Sesquicarboxyl group surfactant
   2 points

3. If Batik is done on sun-dried banana bark ground, what would need a
   a. Water soluble bleaching agent
   b. Water insoluble bleaching agent
   c. Water soluble coagulating agent
   d. Water insoluble coagulating agent
   2 points

4. Which of the following is the correct sequence in the oxidation and reduction of indigo?
   a. Dye bath is added to the vat after the reduction
   b. Dye bath is added to the vat before the reduction
   c. Dye bath is added to the vat after the oxidation
   2 points

5. What are the potential applications of indigo?
   a. Dyes
   b. Pigments
   c. Inks
   d. All of the above
   2 points

6. Which of the following is correct?
   a. Acidic Amino groups
   b. Basic Amino groups
   c. Both acidic and basic amino groups
   d. None of the above
   2 points

7. Which of the following is an off-white dye?
   a. Indigo
   b. Turmeric
   c. Saffron
   d. None of the above
   2 points

8. Which of the following is a brown dye?
   a. Indigo
   b. Turmeric
   c. Saffron
   d. None of the above
   2 points

9. Which of the following is a red dye?
   a. Indigo
   b. Turmeric
   c. Saffron
   d. None of the above
   2 points

10. Which of the following is a blue dye?
    a. Indigo
    b. Turmeric
    c. Saffron
    d. None of the above
    2 points