

**Avinashilingam Institute for Home Science and Higher Education for Women  
Coimbatore-641 043  
Bachelor's Degree Semester Examination- November 2017  
Semester III**

**Class: II UG**

**Major: Textiles and Apparel Designing**

**15BTDC12 Textiles Dyeing and Printing**

**PART A**

**Time: 3 hrs**

**Max Marks: 100**

**10x1=10**

**Choose the correct answer**

1. The dye suitable for protein fibres -----  
a. Direct      b. Vat      c. Acid      d. Azoic
2. The dye that has excellent colour fastness is -----  
a. Direct      b. Reactive      c. Azoic      d. Vat
3. This process causes the flat twist ribbon like cotton fibre, to swell in to a round shape and become much more lustrous  
a. Bleaching      b. Singeing      c. Mercerization      d. Scouring
4. Cheese dyeing prepare to -----  
a. Stock dyeing      b. yarn dyeing      c. Cross dyeing      d. Garment dyeing
5. In natural dyeing ----- is essential to fix colour on fabric  
a. Binder      b. Mordant      c. Base      d. pigment
6. Which of the following is a natural mineral dye  
a. Indigo      b. Tyrian purple      c. Cochineal      d. iron buff
7. ----- wax is used in batik printing  
a. Paraffin      b. Bees      c. Combination of bees and paraffin      d. Resin
8. The method of creating a design by removal of dyes in a inappropriate process is Called ----- printing.  
a. batic      b. tie & dye      c. discharge      d. direct
9. Localised dyeing refers to -----  
a. jigger dyeing      b. winch dyeing      c. Calendar dyeing      d. Printing
10. The heart of rotary printing machine is -----  
a. Squeezee      b. thin shell of nickel      c. electro magnet      d. none

**PART B**

**5x6=30**

**Answer the following.**

**Answer should not exceed 400 words or one page**

11. a. Write about the dyes suitable for protein fibres

**[or]**

11. b. Write a note on direct and disperse dyes

12 a. What is desizing? List its types

: 2 :

[or]

12b. Explain the steps involved in mercerisation.

13a. Write a notes on the significance of vegetable dyes.

[or]

13b. What is a mordant? Give examples

14a. What are the various techniques of printing? Briefly.

[or]

14b. Write notes on block printing

15a. Explain transfer printing

[or]

15b. Brief on Photo Printing

**PART C**

**5x12=60**

**Answer the following.**

**Answer should not exceed 800 words or four pages**

16. a. List the dyes suitable for cellulosic fabrics and explain the method of application.

[or]

16. b. Classify dyes. Give examples

17. a. Explain in detail about the process and equipment used in scouring

[or]

17b. Explain the different stages of dyeing, their advantages and limitations

18a. Discuss the advantages and disadvantages of natural dyes

[or]

18b. Elaborate on the various mordanting techniques

19a. Compare and contrast dyeing and printing

[or]

19b. Elaborate on the techniques of tie and dye.

20a. Elaborate on rotary screen printing

[or]

20b. Describe flat and rotary screen printing method.

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