

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

MSc DEGREE EXAMINATION MAY 2022
(Second Semester)

Branch – COSTUME DESIGN AND FASHION

ADVANCED PROCESSING AND FINISHING

Time: Three Hours

Maximum: 50 Marks

SECTION-A (5 Marks)

Answer ALL questions

ALL questions carry EQUAL marks (5 x 1 = 5)

1. Identify the enzyme that is used for scouring of Cotton
(i) Amylase (ii) Pectinase (iii) Glucose oxidase (iv) Cellulase
2. Name the category under which Skein dyeing is classified
(i) Yarn dyeing (ii) Piece dyeing (iii) Fiber dyeing (iv) Stock dyeing
3. Identify the animal dye
(i) Lac (ii) Madder (iii) Catechu (iv) Manjistha
4. Indicate the finish that is responsible for removal of protruding fibers
(i) Enzyme wash (ii) Biopolishing (iii) Acid wash (iv) Resin finish
5. Indicate the stage under which trickling filtration is categorized?
(i) Primary (ii) Secondary (iii) Tertiary (iv) RO

SECTION - B (15 Marks)

Answer ALL Questions

ALL Questions Carry EQUAL Marks (5 x 3 = 15)

- 6 a. Recommend methods for softening water.
(OR)
- b. Explain the sequence of preparatory process for silk.
- 7 a. State the methods of Printing.
(OR)
- b. Discuss about digital printing.
- 8 a. Classify natural dyes
(OR)
- b. Explain the methods of extracting natural dyes.
- 9 a. Classify finishes.
(OR)
- b. State the objectives of finishing.
- 10 a. Explain the terms TDS and COD and their importance.
(OR)
- b. Discuss the causes of pollution in a textile industry.

SECTION -C (30 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks (5 x 6 = 30)

- 11 a. State the application of Enzyme for various preparatory Process.

(OR)

- b. Discuss the need and method of scouring and Mercerization of Cotton.

Cont...

12. a. Categorise the stages of Dyeing and explain the process involved.

(OR)

b. Compare the various machineries used for Piece dyeing.

13. a. Analyze the technique of applying natural dye on cotton.

(OR)

b. Enumerate about shade %, development of shade, fixation and after treatment.

14. a. Analyze the recent developments in finishing.

(OR)

b. Enumerate on antimicrobial and flame retardant finish .

15. a. Assess the RO process.

(OR)

b. Analyse about ETP and current approach to the discharged effluents.

Z-Z-Z END