

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
BSc DEGREE EXAMINATION DECEMBER 2017
(Third Semester)

Branch - **COSTUME DESIGN & FASHION**

TEXTILE WET PROCESSING

Time : Three Hours

Maximum : 75 Marks

SECTION-A (20 Marks)

Answer **ALL** questions

ALL questions carry **EQUAL** marks (10 x 2 = 20)

- 1 Define water hardness & its types.
- 2 State any two advantages of Hydrogen peroxide bleaching.
- 3 List out the steps involved in vat dyeing process.
- 4 What do you mean by pantone shade?
- 5 Differentiate discharge and resist style of printing.
- 6 Give a note on pattern repeats.
- 7 Write any two advantages of finishing process.
- 8 State optimum conditions for Mercerization process.
- 9 What are the fastness test to be checked for kids wear?
- 10 Write the types of pollution caused by textile industry.

SECTION - B (25 Marks)

Answer **ALL** Questions

ALL Questions Carry **EQUAL** Marks (5 x 5 = 25)

- 11 a Discuss the quality parameters of water used for processing industry.
OR
b Explain the changes takes place during scouring of cotton.
- 12 a Classify the dyes based on their application.
OR
b Explain any five dyeing defects and their remedies.
- 13 a Differentiate dyeing and printing.
OR
b Give a note on curing process.
- 14 a Give a short note on bio-polishing.
OR
b Discuss about calendaring process.
- 15 a Discuss about Eco-labels.
OR
b Write a short note on importance quality control for processing industry.

SECTION - C (30 Marks)

Answer any **THREE** Questions

ALL Questions Carry **EQUAL** Marks (3 x 10 = 30)

- 16 With neat sketch explain about Gas singeing process.
- 17 Write a detailed note about dyes applicable for cotton fabric.
- 18 Illustrate the roller printing machine and explain the working process.
- 19 Explain the various methods of mercerisation process.
- 20 Enumerate various stages of effluent treatment process.

Z-Z-Z

END