

**PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)**

**BSc DEGREE EXAMINATION DECEMBER 2022
(Third Semester)**

Branch – **COSTUME DESIGN & FASHION**

TEXTILE WET PROCESSING

Time: Three Hours

Maximum: 50 Marks

SECTION-A (5 Marks)

Answer ALL questions

ALL questions carry EQUAL marks

(5 x 1 = 5)

- 1 Which one of the following is known as universal bleaching agent?
 (i) Calcium Hypochlorite (ii) Sodium Hypochlorite
 (iii) Hydrogen Peroxide (iv) Sodium Chlorate
- 2 Name the dyes suitable for colouring polyester fibres.
 (i) Disperse dyes (ii) Acid dyes
 (iii) Reactive dyes (iv) Vat dyes
- 3 Which is the style of batik printing?
 (i) Direct (ii) Discharge
 (iii) Resist (iv) All of these
- 4 Which one of the following is a mechanical finish?
 (i) Flame retardant (ii) Acid wash
 (iii) Wrinkle free (iv) Calendaring
- 5 What is the abbreviation for COD?
 (i) Chemical Oxygen Demand (ii) Carbon Oriented Dispose
 (iii) Cotton Oil Demand (iv) Consumer Oriented Demand

SECTION - B (15 Marks)

Answer ALL Questions

ALL Questions Carry EQUAL Marks

(5 x 3 = 15)

- 6 a Summarize the benefits of bio scouring.
 OR
 b Narrate about the impurities present in grey cotton fabric.
- 7 a Describe about Tie & Dye technique.
 OR
 b Outline the properties of reactive dyes.
- 8 a State the merits of digital printing.
 OR
 b Describe about block printing.
- 9 a Explain about stone washing.
 OR
 b State the merits of anti-pilling finish.
- 10 a Explain about RO process.
 OR
 b Summarize the importance of environment protection.

Cont...

SECTION -C (30 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks

(5 x 6 = 30)

- 11 a Analyze the merits and demerits of various types of singeing process.
OR
b Justify the need for preparatory process before coloration.
- 12 a Classify the dyes used for textile dyeing.
OR
b Discuss about the working of anyone dyeing machine used for dyeing knitted fabric, with neat sketch.
- 13 a Point out the causes for any three printing defects.
OR
b Discuss about the working of rotary printing machine with neat sketch.
- 14 a Summarize the effects of various calendaring process.
OR
b Highlight the applications of enzymes in finishing.
- 15 a Enumerate the processes in effluent treatment.
OR
b Highlight the issues of water pollution.

Z-Z-Z

END