

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BSc DEGREE EXAMINATION DECEMBER 2019
(Third Semester)

Branch - COSTUME DESIGN & FASHION

TEXTILE WET PROCESSING

Time: Three Hours

Maximum: 75 Marks

SECTION-A (10 Marks)

Answer ALL questions

ALL questions carry EQUAL marks (10 x 1 = 10)

- 1 Mention the process not required for weft knitted fabric
(i) Singeing (ii) Desizing
(iii) Scouring (iv) Bleaching
 - 2 Choose the chemical which is known as universal bleaching agent
(i) Sodium chlorite (ii) Calcium hypochlorite
(iii) Sodium hypochlorite (iv) Hydrogen peroxide
 - 3 Choose the suitable dyes for coloring polyester fibre
(i) Reactive (ii) Acid
(iii) Disperse (iv) Basic
 - 4 Which of the following dyeing machine process the fabric in open width form?
(i) Winch (ii) Jigger
(iii) Jet (iv) Soft flow
 - 5 Choose the printing method which uses cylindrical screens.
(i) Table screen (ii) Chest printing
(iii) Flatbed screen (iv) Rotary screen
- Batik is a _____ style of printing.
(i) Direct (ii) Discharge
(iii) Resist (iv) All of these
- Name the process which makes the garments with worn-out look.
(i) Stone wash (ii) Acid wash
(iii) Bio wash (iv) Silicone wash
- _____ is a measure of the amount of oxygen that can be consumed by reactions in a measured solution
(i) COD (ii) BOD
(iii) TDA (iv) TSS
- Name the finish which is evaluated by measuring Crease recovery angle
(i) Stiff (ii) Soft
(iii) Wrinkle free (iv) Flame retardant
- 10 Name the process which use membranes to remove total dissolved solid contents along with ions and larger species from the effluents.
(i) RO (ii) Coagulation
(iii) Screening (iv) Aerated lagoons

Cont...

SECTION - B (35 Marks)

Answer ALL Questions

ALL Questions Carry EQUAL Marks (5 x 7 = 35)

- 11 a Bring out the merits and demerits of various types of singeing processes.
OR
b Write about the mechanism of scouring and its types.
- 12 a Describe about color measurement technique.
OR
b Outline the causes and remedies for any four dyeing defects.
- 13 a Write the classification printing process.
OR
b Explain about digital printing technique.
- 14 a Bring out the differences between wrinkle free and durable press finishes.
OR
b Describe about "Stone wash" and "Acid wash".
- 15 a Explain the need for quality control in processing.
OR
b Describe about the RO process in treating effluent.

SECTION - C (30 Marks)

Answer any THREE Questions

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

- 16 Discuss about the benefits of mercerization.
- 17 Discuss the working of jet dyeing machine with neat sketch.
- 18 Highlight the causes and remedies for any five printing defects.
- 19 Classify the various finishing processes.
- 20 Highlight importance of eco friendly processing.

Z-Z-Z

END