

PSG COLLEGE OF ARTS & SCIENCE  
(AUTONOMOUS)

BSc DEGREE EXAMINATION MAY 2022  
(Second Semester)

Branch – COSTUME DESIGN AND FASHION

WOVEN FABRIC MANUFACTURING

Time: Three Hours

Maximum: 50 Marks

SECTION-A (5 Marks)

Answer ALL questions

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

1. Name the process of combining yarns from different cones together to form a sheet.  
(i) weaving (ii) sizing (iii) warping (iv) winding
2. Label the secondary motion of loom.  
(i) shedding (ii) picking (iii) beat-up (iv) take-up
3. Indicate the loom which produces 'bird's eye design'.  
(i) dobby (ii) jacquard (iii) leno (iv) pile
4. Which weave has maximum number of binding points?  
(i) plain (ii) twill (iii) satin (iv) honeycomb
5. Which nonwoven fabric is produced by the process of hydro-entanglement?  
(i) air-laid (ii) melt-blown (iii) spun lace (iv) needle punched

SECTION - B (15 Marks)

Answer ALL Questions

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

- 6.a. Describe the drawing-in process.  
OR  
b. Narrate the passage of material in a cone-winding machine.
7. a. State about handlooms.  
OR  
b. Outline the auxiliary motions and its importance.
- 8.a. Explain the advantages of shuttle less looms.  
OR  
b. Summarize the woven fabric defects.
- 9.a. Describe the elements of design with example.  
OR  
b. State the properties of honeycomb weave.
- 10.a. Summarize the applications of nonwovens.  
OR  
b. Elucidate on needle-punched nonwovens.

SECTION - C (30 Marks)

Answer ALL Questions

ALL Questions Carry EQUAL Marks (5 x 6 = 30  
Marks)

- 11.a. Discuss in detail about sectional warping machine.  
OR  
b. Outline the process of sizing.

Cont...

12.a. Discuss the passage of yarn through loom with neat diagram.

OR

b. Outline the primary motion of loom.

13.a. Explain the working principle of Jacquard loom

OR

b. Outline the principle of multi-phase weaving.

14.a. Explain in detail about backed fabrics.

OR

b. Narrate about self-stitched double cloth with an example.

15.a. Enumerate on thermal bonding in nonwoven production process.

OR

b. Point out the features and manufacturing process of spun bonded nonwoven in detail.

Z-Z-Z END