

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

MSc DEGREE EXAMINATION DECEMBER 2022
(First Semester)

Branch – COSTUME DESIGN AND FASHION

**FABRIC FORMATION TECHNOLOGY / FABRIC MANUFACTURING
TECHNOLOGY**

Time: Three Hours

Maximum: 50 Marks

SECTION-A (5 Marks)

Answer ALL questions

ALL questions carry EQUAL marks

(5 x 1 = 5)

- 1 Choose the circular weaving machine.
(i) rapier (ii) projectile
(iii) airjet (iv) multiphase
- 2 Orthogonal structures are related to
(i) 3D weaving (ii) 3D knitting
(iii) 3D braided (iv) 3D nonwoven
- 3 Identify the two colour pattern made up of a broken check.
(i) bird's eye (ii) hound's tooth
(iii) hairline stripes (iv) spot effect
- 4 Find the warp knit fabric.
(i) rib (ii) purl
(iii) interlock (iv) tricot
- 5 Artificial kidney falls under the category of ____
(i) implantable material (ii) non-implantable material
(iii) extra corporeal device (iv) hygiene material

SECTION - B (15 Marks)

Answer ALL Questions

ALL Questions Carry EQUAL Marks

(5 x 3 = 15)

- 6 a. Classify the types of looms.
OR
b. Discuss about velvet weaving.
- 7 a. Summarize the applications of multilayer fabrics.
OR
b. Compare 2D and 3D fabrics.
- 8 a. Analyze simple colour and weave effect.
OR
b. Evaluate about step patterns and all over effect.
- 9 a. Classify knitting process.
OR
b. Elucidate the scope of lycra yarn in knitting.
- 10 a. Discuss about hygiene products.
OR
b. Categorise the latest trends in medical textiles.

Cont...

SECTION -C (30 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks

(5 x 6 = 30)

- 11 a. Elucidate the working of multiphase weaving.
OR
b. Interpret about weaving of denim fabrics.
- 12 a. Explain about multilayer interlock braiding.
OR
b. Assess about 3D orthogonal weaving.
- 13 a. Construct a note on bird's eye pattern.
OR
b. Explain about construction of weave upon sateen base.
- 14 a. Explain about the working of circular weft knitting machine.
OR
b. Discuss about spacer fabrics.
- 15 a. Investigate on the concept of green business.
OR
b. Explain about wound care management.

Z-Z-Z

END