

PSG COLLEGE OF ARTS & SCIENCE  
(AUTONOMOUS)

MSc DEGREE EXAMINATION DECEMBER 2023  
(First Semester)

Branch - COSTUME DESIGN AND FASHION  
FABRIC FORMATION TECHNOLOGY

Time: Three Hours

Maximum: 75 Marks

**SECTION-A (10 Marks)**

Answer ALL questions

ALL questions carry EQUAL marks

(10 × 1 = 10)

Question No.	Question	K Level	CO
1	Match the category to which velvet fabrics belong? a. Uncut warp pile                      b. Cut warp pile c. Uncut weft pile                      d. Cut weft pile	K1	CO1
2	Recall the weaving in which several sheds are formed across the width of the warp at the same time. a. Denim weaving                      b. Circular weaving c. Multiphase weaving                      d. Carpet weaving	K2	CO1
3	Choose one of the following in which yarns are interlaced both diagonally and lengthwise. a. 2D fabrics                      b. Multilayer fabric c. Braids                      d. Denim	K1	CO2
4	Recall which of the following fabric is used for making conveyor belts, drive belts and structural composite reinforcement. a. 3 D                      b. 2 D                      c. Multilayer                      d. Braids	K2	CO2
5	Which of the following pattern is characteristics of Hounds tooth pattern? a. Spots                      b. Broken checks c. Hairline stripes                      d. step	K1	CO3
6	<p>Recall the weave that has the above draft and lifting plan. a. Sot effect                      b. Birds eye c. Hounds tooth pattern                      d. Step pattern</p>	K2	CO3
7	Choose the technique used in formation of a knitted fabric. a. Interlacing                      b. Interlinking c. Inter looping                      d. Interlocking	K1	CO4
8	Spell out the relationship between machine gauge and yarn count. a. Direct                      b. Indirect                      c. Equal                      d. Not related	K2	CO4
9	Which of the following is a part of green business? a. Negative impact b. sustainability c. Minimum positive effect on environment d. Toxicity	K1	CO5
10	Select the quality NOT required for wound care material. a. Absorbency                      b. Toxicity                      c. Bacteriostatic                      d. haemostatic	K2	CO5

Cont...

**SECTION - B (35 Marks)**Answer ALL questions  
ALL questions carry EQUAL Marks

(5 × 7 = 35)

Question No.	Question	K Level	CO
11.a.	Infer the procedure for weaving a terry fabric.	K2	CO1
	(OR)		
11.b.	Summarize about circular weaving machine.		
12.a.	Distinguish 2 D and 3 D fabrics.	K4	CO2
	(OR)		
12.b.	Analyze the fabric properties and application of multilayer fabrics.		
13.a.	Categorize the ways of creating a continuous line effect.	K4	CO3
	(OR)		
13.b.	Compare hounds tooth pattern and birds eye pattern .		
14.a.	Demonstrate the process, properties and use of spacer fabric.	K3	CO4
	(OR)		
14.b.	Outline the scope of lycra yarn in knitting.		
15.a.	Analyze the role of knitted fabrics in wound care management.	K4	CO5
	(OR)		
15.b.	Summarize about the green business in knitting.		

**SECTION -C (30 Marks)**Answer ANY THREE questions  
ALL questions carry EQUAL Marks

(3 × 10 = 30)

Question No.	Question	K Level	CO
16	Compare the various types of shuttle less looms.	K4	CO1
17	Analyze the weaving principle and application of braided fabrics in detail.	K4	CO2
18	Explain the following a. Construction of weave by reversing a small motif b. Insertion of one weave over another.	K5	CO3
19	Analyze about jacquard knitting and flat bed knitting.	K4	CO4
20	Determine the developments in medical textiles with the once a century ago.	K5	CO5

Z-Z-Z

END