

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BSc DEGREE EXAMINATION MAY 2024
(First Semester)

Branch – COSTUME DESIGN AND FASHION

TEXTILE SCIENCE

Time: Three Hours

Maximum: 75 Marks

SECTION-A (10 Marks)

Answer ALL questions

ALL questions carry EQUAL marks

(10 × 1 = 10)

Module No.	Question No.	Question	K Level	CO
1	1	Flax is a _____ fiber. a. Cellulosic b. Proteinic c. Synthetic d. Man Made	K1	CO1
	2	Which one is the protein fiber among the below mentioned fibers? a. Cotton b. Jute c. Rayon d. Silk	K2	CO1
2	3	Select Acetate has only _____ sunlight resistance. a.Excellent b. Good c. Fair d. Bad	K1	CO3
	4	Outline Dacron is a trade name of which fiber? a.Nylon b. Polyester c. Spandex d. Acrylic	K2	CO2
3	5	When we combined different fibers in to yarn is _____. a.Staple b. Blend c. Cabled d. Decorative	K1	CO3
	6	Contrast the main function of the draw frame is to produce _____ by doubling and combining of Card webs. a. Rove b. Bales c. Sliver d. Yarn	K2	CO3
4	7	Select the process of making yarn from fiber is called. a. Bobbin b. Handloom c. Moth d. Needle	K1	CO4
	8	Final stage in spinning is _____. a. Carding b. Cone winding c. Mixing d. Opening	K2	CO3
5	9	Choose Fancy and decorative yarns used in textiles are _____. a. Cabled b. Novelty c. Spun d. Staple	K1	CO4
	10	Relate When two or more yarns are twisted together they are designated as _____ yarn. a. Doubled b. Novelty c. Ply d. Cabled	K2	CO5

Cont...

SECTION - B (35 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks (5 × 7 = 35)

Module No.	Question No.	Question	K Level	CO
1	11.a.	Explain the Classification of Textile Fibers in detail.	K2	CO1
	(OR)			
	11.b.	Summarize the Physical and Chemical Properties of Silk Fiber.		
2	12.a.	Identify the uses of Polyester fiber.	K3	CO3
	(OR)			
	12.b.	Explain the Polymerization Technique and its types.		
3	13.a.	List out Mixing and blending and its process.	K3	CO3
	(OR)			
	13.b.	Develop about Carding and its working Principle.		
4	14.a.	Outline on Spinning Machine with Neat illustration.	K4	CO4
	(OR)			
	14.b.	Analyze about doubling Process with neat diagram.		
5	15.a.	Determine the Texturizing Process.	K5	CO5
	(OR)			
	15.b.	Explain on Yarn Faults with Causes and Remedies.		

SECTION - C (30 Marks)

Answer ANY THREE questions

ALL questions carry EQUAL Marks (3 × 10 = 30)

Module No.	Question No.	Question	K Level	CO
1	16	Categorize the manufacturing process and properties of Jute Fiber.	K4	CO2
2	17	Frame about Regenerated Fibers in detail.	K4	CO1
3	18	Evaluate the Combing Process in detail.	K5	CO3
4	19	Explain the Spinning and different yarn types.	K5	CO4
5	20	Determine the manufacturing Process of sewing threads.	K5	CO5