

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)
BSc DEGREE EXAMINATION DECEMBER 2023
(First Semester)

Branch - COSTUME DESIGN & 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	What is the rearing of silkworms for the production of silk is called as? (a) Agriculture (b) Apiculture (c) Sericulture (d) Fungiculture	K1	CO1
	2	Which fiber is extracted manually from the pseudostems using a low-cost fiber extraction process ? (a) Banana (b) Areca (c) Nettle (d) Bamboo	K1	CO1
2	3	Which fiber is made of two materials, utilizing desired properties of each material, that can be created by extrusion spinning? (a) Multicomponent (b) Bicomponent (c) Triax Component (d) Monocomponent	K1	CO3
	4	Find the Elongation Property of Caesin fiber (a) 11% (b) 12% (c) 13% (d) 14%	K2	CO2
3	5	Show the standard-sized and weighted pack of compressed cotton lint after ginning. (a) Array (b) Bundle (c) Box (d) Bale	K2	CO3
	6	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 Spinning process where the torque is generating the twist in the yarn with gyration and revolving. (a) Dref (b) Rotor (c) Dispersion (d) Vortex	K1	CO4
	8	This is a slender round rod or stick with tapered ends by which thread or yarn is twisted in spinning by hand and on which it is wound. (a) Spindle (b) Cone (c) Vicone (d) Cheese	K2	CO3
5	9	Which method of twisting is used to produce two or more single yarns to make doubling or folding or ply twisting. (a) Break (b) Draft (c) TFO (d) Airjet	K1	CO4
	10	Relate the extremes of variations, i.e., the thin places, thick places and neps are usually referred to as _____. (a) Imperfections (b) Unevenness (c) Irregularity (d) None of the above	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.	Construct the Classification of Textile Fibers in detail.	K3	CO1
	(OR)			
	11.b.	Identify the Physical and Chemical Properties of Wool Fiber.		
2	12.a.	Identify the uses of Nylon and Polyester fiber.	K3	CO3
	(OR)			
	12.b.	Organize the Polymerization Technique and its types.		
3	13.a.	Analyze Ginning and its process.	K3	CO3
	(OR)			
	13.b.	Categorize the carding process and explain its working principles.		
4	14.a.	Give an outline about the spinning machine with neat illustration.	K4	CO4
	(OR)			
	14.b.	Analyze the Roving 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 Cotton Fiber.	K4	CO2
2	17	Distinguish about Ecofriendly contemporary fibers.	K4	CO1
3	18	Analyze the Drawing and Drafting Process in detail.	K4	CO3
4	19	Explain the Spinning and its working process.	K5	CO4
5	20	Determine the Sewing threads manufacturing Process.	K5	CO5

Z-Z-Z

END