23CDU311N

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BSc DEGREE EXAMINATION MAY 2025
(Third Semester)

Branch – **COSTUME DESIGN AND FASHION**

TEXTILE WET PROCESSING

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	What is the role of scouring in the textile industry? a) Removing natural oils and waxes b) Adding a finish to the fabric c) Dyeing the fabric d) Printing designs on fabric	K1	CO1
2	Identify the process that uses Amylase for desizing a) Rot steeping b) Acid steeping c) Bio desizing d) all the above	K2	CO1
3	What is the primary property of eco-friendly dyes? a) They are non-toxic and biodegradable b) They produce brighter colors c) They require a high amount of water d) They are only suitable for synthetic fibers	K1	CO2
4	Which of the following is a dyeing defect? a) Stick in b) Patchy effect c) Mis fit d) Hickeys	K2	CO2
5	What is the function of a color matching cabinet? a) To store dyes b) To match fabric textures c) To ensure consistent color quality under different lighting conditions d) To check for dyeing defects	K1	CO3
6	What is the purpose of a lab dip in the dyeing process? a) To bleach the fabric b) To match dye color to a specific sample c) To prepare fabric for dyeing d) To clean the dyeing machine	K2	CO3
7	Which printing method involves the removal of color from dyed fabric? a) Direct printing b) Discharge printing c) Resist printing d) Pigment printing	K1	CO4
8	Which of the following is a resist printing technique? a) Discharge printing b) Screen printing c) Batik printing d) Rotary printing	K2	CO4
9	What is stone wash finishing? a) A process to add color to fabric b) A finishing technique that gives fabric a worn-out appearance c) A method of bleaching d) A technique to add a shiny finish	K1	CO5
10	Which of the following enzyme is used for biopolishing? a)Amylase b) Cellulase c) Lipase d) Pectinase	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.	Explain the methods of scouring and their effects on cotton fabric.	K1	CO1
	(OR)		
11.b.	Differentiate between enzyme desizing and continuous desizing in textile processing.		
12.a.	Outline the classification of dyes used in the textile industry.	K1	CO2
	(OR)		
12.b.	Describe the basic properties of reactive dyes and their suitability for cotton fabric.		
13.a.	Discuss the working of a hank dyeing machine.	K2	CO3
	(OR)		
13.b.	Compare the features of jet dyeing machines and winch dyeing machines.		
14.a.	Explain the differences between discharge printing and resist printing techniques.	K2	CO4
	(OR)		
14.b.	Discuss about the latest developments in textile printing.		
15.a.	Outline the mechanical finishing processes in textiles.	K2	CO5
	(OR)		
15.b.	Discuss about the need for anti pilling and anti mildew finish.		

SECTION -C (30 Marks)

Answer **ANY THREE** questions

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

Question No.	Question	K Level	CO
16	Explain in detail about the impurities present in cotton and the preparatory process in textile wet processing.	K1	CO1
17	Describe the defects in dyeing and the methods to remedy them.	K1	CO2
18	Discuss in detail about colour matching cabinet and pantone colours.	K2	CO3
19	Discuss about block and stencil printing techniques.	K2	CO4
20	Discuss the importance of water-repellent and flame-retardant finishes in textiles.	K2	CO5

Z-Z-Z END