

Model Question Paper-1/2 with effect from 2022(CBCS Scheme)

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VIth Semester B.Tech. Textile & Silk Technology, Degree Examination Industrial Engineering in Textile and Apparel Industry

TIME: 03 Hours

Max. Marks: 100

Note: Answer any **FIVE** full questions, choosing at least **ONE** question from each **MODULE**.

Module -1			*Bloom's Taxonomy Level	COs	Marks
Q.01	a	Discuss why Industrial Engineering department is required for the apparel industry.	L2	CO1	10
	b	Compare Management with Organization and describe how both influence each other.	L2	CO1	10
OR					
Q.02	a	Describe the scientific management principles stated by F.W. Taylor	L2	CO1	10
	b	Examine the contribution of Frank and Lilian Gilbreth to work study	L2	CO1	10
Module-2					
Q. 03	a	Discuss the advantages and disadvantages of plant location	L2	CO2	10
	b	Distinguish between product layout and process layout	L2	CO2	10
OR					
Q.04	a	Explain the need for a facility location	L2	CO2	10
	b	Explain how the hybrid or combination layout is best suited for an apparel manufacturing company	L2	CO2	10
Module-3					
Q. 05	a	Recall and explain why motion study is now understood as method study	L2	CO3	5
	b	Recall and explain why time study is now understood work measurement	L2	CO3	5
	c	Discuss the problems that may arise in work study	L2	CO3	10
OR					
Q. 06	a	List and explain briefly the various steps in method study	L2	CO3	10
	b	Recall the ECRS technique and explain its importance in method study	L2	CO3	10
Module-4					
Q. 07	a	Recall and record the various steps in time study	L1	CO4	5
	b	List the various work measurement techniques	L1	CO4	5
	c	Describe the time study technique adopted in the apparel industry	L2	CO4	10
OR					
Q. 08	a	Describe how the standard time is calculated given the basic time, rating and allowance	L2	CO4	10
	b	List the various types of elements that are used in time study.	L1	CO4	5
	c	Explain why breakdown into elements is important in time study.	L2	CO4	5

Module-5					
Q. 09	a	Discuss POSDCORB in the context of the textile industry	L2	CO5	10
	b	Explain the connection between Industrial Engineering department and PPC department in the garment industry.	L2	CO5	10
OR					
Q. 10	a	Explain the importance of SWOT analysis for the garment industry	L2	CO5	10
	b	Enumerate the functions of PPC department in a manufacturing unit.	L2	CO5	10