

Third Semester
Textile Technology
Scheme OCBC 2019

INTRODUCTORY SPINNING

Time : Three Hours

Maximum Marks : 70

Note : All 7 Questions are **Compulsory**. Internal choices has been given in each LO (Learning Outcome).

Q.	LO	Questions	Marks
1.	LO1	What are the objects of Ginning? Sketch and explain the working of Saw Gin.	10
	LO2	OR Compare mixing and blending. Discuss the various types of blending techniques.	10
2.	LO3	With a neat and labelled sketch explain the working of monocylinder cleaner.	10
	LO4	OR Sketch and explain the working of Kirschner beater.	10
3.	LO5	With a labelled diagram explain the working of Piano Feed Regulating Motion.	10
	LO6	OR Discuss the various safety measures used in Blow Room.	10
4.	LO7	Describe the passage of material through a high production carding machine.	10
		OR	

Q.	LO	Questions	Marks
	LO8	Explain defects in carding. How will you rectify them?	10
5.	LO8	Explain the working of Cross-Roll Verga system of web doffing.	10
		OR	
	LO7	Sketch the construction of Licker-in and explain its working.	10
6.	LO9	Calculate the production of a single scutcher per 8 hrs., if the speed of 9" diameter lap roller is 8 rpm and delivers a lap of 12 ounce/yard. Time loss in doffing and other operation is 10%.	10
		OR	
	LO10	What should be the weight/yard of lap suitable for a carding machine of loss in waste is 5%, draft is 120 and the sliver is required to weigh 36 grain/yard.	10
7.	LO10	The M.D. in a carding m/c is 102 and the sliver required to be delivered is 54 grain/yard. Waste is 5%. What hank of lap should be used?	10
		OR	
	LO9	In a scutcher 7" diameter calender roller is running at 10 r.p.m. and delivering 0.00158 hank of lap. Efficiency is 91%. Calculate the production in pounds/day of 16 hrs.	10

