

**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 What are the different methods of mining? Compare them and state the relative advantages and disadvantages.	10
2.	LO3	What is a step Cleaner? Where it is used? Sketch and explain its working.	10
	LO4	OR With the help of a neat labelled diagram explain the working of 3 bladed beater.	10
3.	LO5	Discuss the usefulness of using photo cell, magnets and gravity traps in a Blow Room line.	10
	LO6	OR Mention the maintenance schedule of Blow Room and discuss briefly on waste and its control.	10
4.	LO7	What are the objects of Carding? With sketches explain how these are achieved? OR	10

Q.	LO	Questions	Marks
	LO8	What are the faults in carding? Mention the causes of such faults and give remedies.	10
5.	LO9	The trash content in cotton fed to a beater is 4.0%. The waste extracted is 2.0% in which 70% is trash. What is the cleaning efficiency of the beater.	10
		OR	
	LO10	A 14 ounce/yard lap is fed to a card with a M.D. of 100. The waste removed at the card is 5%. Calculate the lost of the sliver and the weight of 6 yards sliver.	10
6.	LO9	Calculate the production of a scutcher for 8 hours if the 9" diameter lap roller is making 7 r.p.m. The hank of each of the 4 laps fed is 0.00146. M.D. in the machine is 3.8. Waste removed is 2.5%. Efficiency of the machine is 91%.	10
		OR	
	LO10	The surface speed of feed roller in a carding machine is 35 cm/min. and the coiler calendar rollers have a surface speed of 41.3/min. What is the draft?	10
7.	LO3	What is an Auto Mixer? Sketch and explain its working.	10
		OR	
	LO8	With the help of a neat sketch explain the working of Cross-Roll Verga web doffing device.	10
			