

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	Mention the sequence of machineries used for converting cotton fibre into carded yarn. Discuss the objects of the processes involved.	10
	LO1	OR	
	LO1	What is the importance of Blanding? How is it carried out? Discuss the various types of blanding.	10
2.	LO3	With the help of a neat and labelled diagram explain the passage of material through monocylinder cleaner.	10
	LO4	OR	
	LO4	Sketch and explain the working of a porcupine opener.	10
3.	LO5	What are the objects of Feed Regulating motion? With a neat sketch explain its working.	10
	LO6	OR	
	LO6	Discuss the causes of lap defects with their remedies.	10
4.	LO7	What are the objects of Carding? Sketch and explain licker-in action.	10

Q.	LO	Questions	Marks
	LO8	<p style="text-align: center;">OR</p> Explain Tandem carding machine with a suitable sketch.	10
5.	LO9	In a finisher scutcher 4 laps of 14 ounce/yard are fed and 0.00146 hank of lap is delivered. If the M.D. is 3.8, calculate waste percentage removed and also calculate the actual draft in the scutcher.	10
	LO10	<p style="text-align: center;">OR</p> The lap fed to a carding machine has a mass of 600 gm/m. The linear density of the card sliver delivered is 5 kg.tex.	10
6.	LO9	What is the draft in the carding machine on a finisher scutcher 4 laps each of 14 ounce/yard are fed. The lap delivered weighs 13.5 ounce/yard. What is the resultant draft? If the waste percentage is 2%. What will be the M.D. ?	10
	LO10	<p style="text-align: center;">OR</p> The surface speed of a coiler calender roller is 39.1m/min. If the linear density of the sliver is 4.0kg.tex. What is the production/hour in kg. at 80% efficiency?	10
7.	LO4	Sketch and explain the working of a Kirschner beater.	10
	LO8	<p style="text-align: center;">OR</p> With the help of a neat and labelled diagram explain the working of India Roll web doffing arrangement.	10

