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 varieties of cotton? Name a few selected Indian cotton and explain the sequence of machines used for carded and combed yarn.	10
		OR	
	LO2	What is Mixing? Explain what is stack mixing and bin mixing.	10
2.	LO3	With a neat sketch explain the working of step cleaner.	10
		OR	
	LO4	Sketch and explain the working of porcupine opener.	10
3.	LO5	Discuss the use of photo cell, gravity traps and magnets in a blow room.	10
		OR	
	LO6	Explain the various defects in lap and how will you rectify them.	10
4.	LO7	Explain the object of carding machine. Sketch and explain how and where the carding action takes place.	10

Q.	LO	Questions	Marks
		OR	
	LO8	With a neat sketch describe the passage of material through a Tandem card.	10
5.	LO8	Sketch and explain the working of India Roll Web doffing device.	10
		OR	
	LO7	Discuss the design and working of feed plate of a carding machine.	10
6.	LO9	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 waste is 2%. What will be M.D.	10
		OR	
	LO10	The lap fed to a carding machine has a mass/ metre of 500 gms. The linear density of card sliver delivered is 4kg tax. What is the draft?	10
7.	LO9	To a finisher scutcher 4 laps each of 0.00146 hank are fed. The M.D. = 3.8, waste removed = 2%. Calculate the weight of full lap of 35 yards.	10
		OR	
	LO10	The surface speed of feed roller in a carding machine is 35 cm/min and the coiler calendar roller have a surface speed of 41.3 metre/min. What is the calculated draft?	10