Fourth Semester
Textile Technology
Scheme OCBC 2019
SPINNING - I

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 Draw Frame? With a neat sketch describe the passage of material through a modern draw frame.	10
		OR	
	LO2	Discuss the factors that affect roller setting on Draw Frame.	10
2.	LO3	What is Super lap m/c? How does it differ from Ribbon lap m/c? Explain the passage of material through a Super lap m/c.	10
		OR	
	LO4	Give the maintenance schedule of Comber and discuss how comber waste is controlled?	10
3.	LO5	What are the objects of Speed Frame? Sketch and explain the passage of material through a S/F.	10
		OR	
	LO6	What are roving defects and how these are eliminated? Explain	10
4.	LO7	What are the objects of Ring Frame? Sketch and describe the passage of material through a Ring Frame.	10
		OR	

Q.	LO	Questions	Marks
	LO8	Explain the causes of end breakage in R/F with their remedies.	10
5.	LO9	Calculate the efficiency of Draw Frame in which the actual production for 8 division in 4124 lbs for 40 hrs. The 2" diameter calonder roller runs at 200 r.p.m. and deliver 50 grains/yard sliver.	10
		OR	
	LO10	If a Ring Frame having 360 spindles runs at 10,000 r.p.m. and produce 50^s yarn with 4.0 T.M. What is the production/shift of 8 hrs in kg with 88% efficiency.	10
6.	LO9	The hank meter reading record on a section of Speed Frame show an average of 6.4 hanks/ shift of 8 hrs at 88% efficiency. If the front roller diameter is 1", find the r.p.m.	10
		OR	
	LO10	Calculate production in kg of a R/F of 400 spindles of 30^s warp with the following particulars: Spindle speed = 10,500 T.M. = 4.4 Efficiency = 88% Working hrs. = 8 hrs. No. of R/F's = 10	10
7.	LO7	What is a Ring? Discuss the various types of rings and travellers used on a Ring Frame.	10
		OR	
	LO5	What are the objects of differential motion in a S/F? Sketch and explain the working of any type of differential motion.	10