

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VI(NEW) – EXAMINATION – SUMMER 2019

Subject Code:2162907

Date:18/05/2019

Subject Name:Weaving Technology-III

Time:10:30 AM TO 01:00 PM

Total Marks: 70

Instructions:

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

		MARKS
Q.1	(a) Give classification of feelers.	03
	(b) Briefly explain strait-through tie-ups.	04
	(c) Explain Bartlett let-off motion with a neat diagram.	07
Q.2	(a) What it means by “Filamentation”.	03
	(b) State the function of Cylinder and Hooks.	04
	(c) Draw only a neat sketch of Automatic pirn change mechanism and give it's important timings and settings.	07
	OR	
	(c) Explain Toyoda let-off motion with a neat diagram.	07
Q.3	(a) What it means by “Bunch”?	03
	(b) State the function of comber board and Harness .	04
	(c) Explain the construction & working of shuttle eye cutter and temple cutter.	07
	OR	
Q.3	(a) Explain the principle of automatic negative let-off mechanism.	03
	(b) Write a note on Two-prong electrical feeler.	04
	(c) Discuss the construction & working of Nortrop type auto warp stop motion with a neat sketch.	07
Q.4	(a) Give comparison between single lift single cylinder & double lift double cylinder jacquard.	03
	(b) Explain about the short & long term warp tension variation factors.	04
	(c) Give the construction & working of single lift, single cylinder jacquard with diagram.	07
	OR	
Q.4	(a) What kind of precautions are required for filament warping?	03
	(b) Write a note on Plunger feeler.	04
	(c) Discuss the construction & working of Vibrator-bar type auto warp stop motion with a neat sketch.	07
Q.5	(a) What it means by “Lingo”?	03
	(b) Write a note on Photo electric type feeler.	04
	(c) Discuss about casting out in jacquard with your own example.	07
	OR	
Q.5	(a) Name only the special type of jacquards.	03
	(b) Give the features of shuttle changing looms.	04
	(c) Give the construction & working of double lift, double cylinder jacquard with diagram.	07
