

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER- V (New) EXAMINATION – WINTER 2019****Subject Code: 2152908****Date: 02/12/2019****Subject Name: Weaving Technology-II****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.

- Q.1** (a) Explain about Drop wires. 03
(b) Compare tappet and dobby shedding mechanism. 04
(c) Explain negative let-off motion with the help of neat diagram. 07

- Q.2** (a) Classify dobby systems. 03
(b) What is sley eccentricity? Explain its importance. 04
(c) Explain the working principle of negative tappet shedding motion with neat sketch. 07

OR

- (c) State and explain the steps involved in designing a shedding tappet for plain weave. 07
- Q.3** (a) Draw the passage of warp through plain power loom. 03
(b) State the object of beat-up motion. Show four link beat up mechanism. 04
(c) Explain side weft fork motion with suitable diagram. 07

OR

- Q.3** (a) Compare over pick with under pick mechanism. 03
(b) Draw vibrator bar type warp stop motion with neat sketch 04
(c) Described the cone over pick mechanism with neat sketch. 07
- Q.4** (a) Explain importance of let off motion in weaving process. 03
(b) Explain about Timing diagram of loom 04
(c) Explain seven-wheel take-up motion in detail and explain the method of calculating Dividend of the said motion. 07

OR

- Q.4** (a) What is drawing -in? explain briefly. 03
(b) Classify temples and discuss need of temples in a loom. 04
(c) Explain top roller heald reversing motion with suitable diagram. 07

- Q.5** (a) Write down advantages of a cam dobby. 03
(b) Compare electronic dobby with mechanical dobby. 04
(c) Explain construction and working of Climax dobby with neat sketch. 07

OR

- Q.5** (a) State the purpose of box motion in loom. 03
(b) Compare pick & pick with pick-at-will motion 04
(c) Discuss working of Eccle's drop box motion with help of neat diagram. 07
