| Seat No.: | Enrolment No. |
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GUJARAT TECHNOLOGICAL UNIVERSITY BE - SEMESTER-IV (New) EXAMINATION - WINTER 2015

| Subject Code:2142806 Subject Name: Textile Manufacturing - II | | | Date: 19/12/2015 | |
|--|------------|--|------------------|--|
| Ti | • | 2:30pm to 5:00pm Total Marks: | Total Marks: 70 | |
| Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks. | | | | |
| Q.1 | (a) | Explain in detail about (i) Mobile Creel (ii) Magazine Creel (iii) Swivel Creel (iv) V-shaped Creel. | 07 | |
| | (b) | Discuss in detail about Modern high speed beam warping machine. | 07 | |
| Q.2 | (a) (b) | Explain Measuring and Self stopping motion with suitable diagram. What is "Jacquard"? Discuss principle of Single lift Jacquard with suitable diagram. | 07 07 | |
| | | OR | | |
| | (b) | With neat sketch, explain working of Climax dobby. | 07 | |
| Q.3 | (a) (b) | Discuss in detail about important elements of Sectional Warping machine. Explain "Multi-Cylinder Sizing Machine" with suitable diagram. OR | 07 07 | |
| Q.3 | (a) (b) | Write short note on "Sizing ingredients". Explain in detail about "Size Box". | 07 07 | |
| Q.4 | (a) (b) | Define (i) Warp (ii) Weft (iii) Shuttle (iv) Reed (v) Heald (vi) Temple & (vii) Lease Rod With suitable labeling, explain passage of material in Plain power loom. | 07 07 | |
| Q.4 | (a) (b) | OR Write short note on "Primary motions of the loom". Explain different kind of weft insertion systems with suitable diagrams. | 07 07 | |
| Q.5 | (a) (b) | Write brief note on – (i) Marker planning & (ii) Spreading Discuss about (i) Warp Knitting & (ii) Weft Knitting OR | 07 07 | |
| Q.5 | (a) (b) | Write short note on Seams and Stitches. State various bonding methods for production of Non-wovens and explain any one in detail. | 07 07 | |
