| Sea | at No.: | Enrolment No | |
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| | GUJARAT TECHNOLOGICAL UNIVERSITY M.E. SEMESTER III-EXAMINATION – WINTER 2015 | | |
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| U | | | 15 |
| Tir | Subject Name: Technical Textile Time: 2:30 PM to 5:00 PM Instructions: Total Mark | |) |
| | 2. | Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks. | |
| Q.1 | (a) (b) | Write in detail on characteristics and applications of wet laid batt. Write in detail on barb of the needles used for producing needle punched non-woven fabrics. | 07 07 |
| Q.2 | (a) | Write on distinctive features of the cards used for producing batt to be used for making nonwoven fabric. | 07 |
| | (b) | Write briefly on Die used during manufacturing of Melt blown non wovens. OR | 07 |
| | (b) | Write a short note on use of Glass fiber in various applications of technical textiles. | 07 |
| Q.3 | (a) (b) | With neat sketch explain spun laying process for forming non-woven fabrics. Write a short note on Struto. | 07 07 |
| | | OR | |
| Q.3 | (a) | Which are the considerations for selecting particular fabric design for solid-liquid filter fabrics? | 07 |
| | (b) | Write short note on recent developments in stitch bonding. | 07 |
| Q.4 | (a) | With reference to water proof breathable fabric, write on hydrophilic coating as one of the processes. Also write on ways of applying coating to the fabric for the same purpose. | 07 |
| | (b) | Write a short note on Randowebber. | 07 |
| | | OR | |
| Q.4 | | Write briefly on different drainage and filtration applications of geotextiles in civil engineering. | 14 |
| Q.5 | (a) | Write a short note on face masks and antimicrobial dressing. | 07 |
| - | (b) | Write a short note on various applications of protective textiles in defense. OR | 07 |
| Q.5 | (a) (b) | Write in detail on use of agrotextiles for various types of nets. Write briefly on application of textile as medical implants. | 07 07 |
