

GUJARAT TECHNOLOGICAL UNIVERSITY
BE - SEMESTER-VII(OLD) • EXAMINATION – WINTER 2016

Subject Code: 172906

Date: 18/11/2016

Subject Name: Knitting and Garment Technology (Department Elective - I)

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.

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|------------|-----|--|-----------|
| Q.1 | (a) | Compare latch needle and spring beard needle. | 07 |
| | (b) | Describe construction and working of cam and cylinder used on weft knitting machine briefly. | 07 |
| Q.2 | (a) | What is Tuck ? Describe how it is formed with a neat sketch. | 07 |
| | (b) | Describe Purl knit structure with neat sketch and state its important properties. | 07 |
| | | OR | |
| | (b) | Describe Rib knit structure with neat sketch and state its important properties. | 07 |
| Q.3 | (a) | Describe complete knitting cycle of Raschel knitting machine with neat sketch. | 09 |
| | (b) | Describe how horizontal stripping can be achieved in weft knitting briefly. | 05 |
| | | OR | |
| Q.3 | (a) | Compare Tricot and Raschel warp knitting machines. | 07 |
| | (b) | Describe Intarsia and laying in briefly in weft knitting. | 07 |
| Q.4 | (a) | Draw and explain layout of garment manufacturing unit. | 07 |
| | (b) | Discuss any three requirements of marker planner. | 07 |
| | | OR | |
| Q.4 | (a) | Explain the following with respect to spreading: | 07 |
| | | (i) correct ply direction & adequate lay stability | |
| | | (ii) correct ply tension | |
| | (b) | Describe different types of seam briefly with suitable sketch. | 07 |
| Q.5 | (a) | Discuss in detail how IT is useful for garment industry . | 07 |
| | (b) | With a neat sketch, describe the formation of lock stitch. | 07 |
| | | OR | |
| Q.5 | (a) | Explain with neat sketch, cutting with band knife. | 08 |
| | (b) | Describe any two workaids in detail. | 06 |
