

GUJARAT TECHNOLOGICAL UNIVERSITY
BE – SEMESTER – VI (NEW).EXAMINATION – WINTER 2016

Subject Code: 2162909**Date: 27/10/2016****Subject Name: Knitting Technology****Time: 02:30 PM to 05:00 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 in brief the types of motion of Guide bar. **04**
 (b) With a neat diagram explain the Pattern mechanism. **10**
- Q.2** (a) Describe the following lapping movements with neat sketches: i. The 1 & 1 lapping ii. The 2 & 1, 3 & 1, 4 & 1 lapping. **07**
 (b) Describe Reverse Locknit structure by the thread diagram and the lapping movements of the two guide bars. **07**
- OR**
- (b) Enlist the differences between Tricot and Raschel. **07**
- Q.3** (a) With the help of neat sketch explain the knitting cycle on Tricot machine. **10**
 (b) Explain with a structure how Chain or Pillar Stitch is formed. **04**
- OR**
- Q.3** (a) With the help of neat sketch explain the knitting cycle on Raschel machine. **10**
 (b) Write in brief about common faults in Warp knitting. **04**
- Q.4** (a) Describe Purl fabric with neat sketch. Also state its important characteristics. **07**
 (b) Describe important features of socks and gloves knitting machine briefly. **07**
- OR**
- Q.4** (a) Draw & Describe the construction and functioning of following parts of circular knitting machine : Cylinder, Sinker , Yarn Accumulator. **09**
 (b) Compare woven and Knitted fabrics **05**
- Q.5** (a) With a neat sketch describe construction of Latch needle. **09**
 State its merits and demerits.
 (b) Discuss briefly Plating and Open work structure used in weft knitting. **05**
- OR**
- Q.5** (a) Describe with a neat sketch how Tuck is formed. **08**
 Discuss effect of tuck on properties of Knitted fabric.
 (b) Discuss requirement of yarn quality for circular knitting briefly. **06**
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