

GUJARAT TECHNOLOGICAL UNIVERSITY
BE SEMESTER– 7th EXAMINATION – SUMMER 2015

Subject Code:172906

Date: 06/05/2015

Subject Name: Knitting & Garment Technology

Time: 02.30PM-05.00PM

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) Describe how Float is formed with a neat sketch. **07**
Hence discuss effect of float on properties of knitted fabric.
- (b) Describe construction of Spring Beard Needle with sketch. **07**
State its advantages and disadvantages.

- Q.2** (a) Describe construction of Cams used on weft knitting machine with suitable sketch. **07**
- (b) Draw symbolic and diagrammatic representation of Purl structure. **07**
Hence describe important properties of Purl structure.

OR

- (b) Draw symbolic and diagrammatic representation of Interlock structure. **07**
Hence describe important properties of Interlock structure.

- Q.3** (a) With the help of neat sketches, describe complete knitting cycle on Tricot Warp knitting machine. **10**
- (b) Discuss the problem of Laddering in weft knitting briefly. **04**

OR

- Q.3** (a) Compare Warp & Weft knitting in detail. **08**
- (b) Discuss briefly (i) Plating & (ii) Intarsia. **06**

- Q.4** (a) (i)What is Marker Planner? Explain marker utilization in detail. **04**
(ii) Enlist the causes responsible for puckering. **03**
- (b) Explain die cutting in detail. **07**
How die cutting is different from other cutting methods?

OR

- Q.4** (a) Explain methods of spreading in detail. **07**
- (b) (i) Describe Superimposed seam with neat sketch **07**
(ii) Explain any one Work aid.

- Q.5** (a) Explain Designing and Pattern making as stages of product development in design department. **07**
- (b) Describe Drop feed mechanism with neat sketch. **07**

OR

- Q.5** (a) Describe formation of class 300 stitch with neat sketch. **07**
Describe its important properties.
- (b) Describe various types of needle points with neat sketches. **07**