

BE- VIIth SEMESTER-EXAMINATION – MAY/JUNE- 2012

Date: 29/05/2012

Total Marks: 70

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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) Draw 2 colours, 2 needle repeat single jersey and 3 colours, 2 needle repeat double jersey designs. | 07 |
| | (b) Enlist various types of stitches used for making garments. Write in detail on class 100 and 300 stitches. | 07 |

- 0.2 (a)** Answer following: **07**

- (i) Calculate the marker efficiency for a 13 m long lay having 56 layers and 59" width of the fabric.

Avg area of pattern pieces = 0.20yds

Total no. of pattern pieces / garment = 12

Total no. of garment to be cut from 1 layer = 10.

- (ii) A 100m fabric roll of width 150cm is found to have the following defects at the inspection stage :

<i>Defect</i>	<i>Slub</i>	<i>Hole</i>	<i>Missing pick</i>	<i>Furkey</i>	<i>Shade variation</i>
Size	2 mm	1.1"	-	5 mm	10"

Conclude if the fabric roll is acceptable or not(Acceptable if PPHSY<40).

- (b)** Discuss in brief the following
- | | |
|--------------------------|--------------------------------------|
| i) Fabric grading system | ii) Different parts of sewing needle |
|--------------------------|--------------------------------------|
- 07**

OR

- (b)** With sketch explain class 1, 2 and 3 seams. **07**

- Q.3** Write short note on following: **14**

- (i) Feed dogs (ii) Fabric defect analysis and point grading system

OR

- Q.3 (a)** Explain in detail various methods available for spreading. Elaborate more on use of traveling machine for spreading.

- (b)** Write a short note on straight knife. **05**

- 0.4 (a)** Write characteristics of Rib fabric. **07**

- (b) Explain knitting cycle with sketch to produce plain fabric using latch needle. **07**

OR

- Q.4 (a)** Define: (i) Stitch Density (ii) Knock Over **04**
(iii) Stitch length (iv) Tightness Factor

- (b)** Explain different methods of producing knitted fabrics. Give comparison between warp and weft knitting. **06**

- (c) Draw 2 x 2 rib fabric. 04

- 0.5** Explain knitting cycle with sketch to produce tricot fabric. **14**

OR

- Q.5** With neat sketch, write salient features of following: **14**

- (i) Pearl Fabric
- (ii) Plain Fabric
