



JAYA GROUP OF INSTITUTIONS
Department of Textile Technology
B.Tech – II Yr – (INTERNAL ASSESSMENT - I) Model Exam - I

TT6402 Fabric Structure
Date: 30/01/2015

Max. Marks : 100
Time : 180 mins

Part – A

(10x2=20)

1. Define cover factor.
2. Give the design of a warp rib.
3. State the different types of draft.
4. Name the twill weave derivatives and give the design of any one.
5. What is transposed twill?
6. What is the difference between light and pigment theory of colour?
7. What is colour harmony?
8. What is spot figuring?
9. What do you understand by half drop designs?
10. What are mock leno fabrics?

Part – B

(5x16=80)

11. A) Give the design, draft and pegplan of the following twill derivatives

- | | |
|----------------------|------|
| i) Herringbone twill | (4m) |
| ii) Transposed twill | (4m) |
| iii) Wavy twill | (4m) |
| iv) Broken twill | (4m) |

(OR)

B) Draw the design of plain weave and its derivatives. Discuss its characteristics and applications. (16m)

12. A) State and explain the twill weave and its derivatives. (16m)

(OR)

B) State and explain the plain weave characteristics and its derivatives then uses? (16m)

13. A) Explain in detail about the loom requirements required to produce plain and twill weave fabrics? (16m)

(OR)

B) Give the design and draft for the following types of honeycomb weaves and explain the difference between them.

- | | |
|--------------------------|------|
| i) Ordinary honey comb. | (8m) |
| ii) Brighten honey comb. | (8m) |

14. A) Explain in detail the light theory of colour.

(16m)

(OR)

B) Construct a crepe weave based on any three principles.

(16m)

15. A) Discuss the various means of realizing Mock – leno effects in fabrics with the suitable designs and thread diagrams.

(16m)

(OR)

B) Draw the design of Huck-a-back weaves. Discuss its characteristics and applications.

(16m)

***** ALL THE BEST *****