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JAYA GROUP OF INSTITUTIONS – THIRUNINDRAVUR 602024

4TH SEMESTER – B.TECH

INTERNAL ASSESSMENT (MODEL EXAMINATION - III)

SUB. TITLE	: FABRIC STRUCTURE	DATE	: 08/04/2015
SUB. CODE	: TT6402	BRANCH	: TEXTILE
DURATION	: 180 MINUTES	MAX. MARKS	: 100

PART A (10X2 = 20) ANSWER ALL THE QUESTIONS:

1. Define cover factor.
2. What is transposed twill?
3. What is colour harmony?
4. What is spot figuring?
5. Differentiate between extra warp and extra weft figure?
6. Differentiate welts and piques?
7. What are velvet and velveteen fabric?
8. State the loom requirements for warp pile fabric?
9. Define damasks.
10. Classify the double cloths.

PART B (5X16 =80) ANSWER AS PER THE CHOICE:

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

OR

- B) 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)

m-2 (2)

12. A) Give the design and draft for the following types of honeycomb weaves and explain the difference between them. (16m)

i) Ordinary honey comb. (8m)

ii) Brighten honey comb. (8m)

OR

B) Explain in detail the light & pigment theory of colour. (16m)

13.A) With neat sketch explain the design of alternate 10-end plain faced bed ford cord. (16m)

OR

B) i) Design and explain the formation of extra weft figuring using double color. (8m)

ii) With neat sketch explain the design for weft backed fabric. (8m)

14.A) With neat sketch explain the mechanism of formation of terry pile fabric. (16m)

OR

B) With neat sketch explain the design for twill back velveteen. (16m)

15. A) with neat sketch explain the elaborate notes on self twilling jacquard. (16m)

OR

B) i) with neat sketch explain the elaborate notes on gauze and leno weaves. (8m)

ii) Write short notes on 3-D fabrics formation. (8m)