



**B.TECH DEGREE EXAMINATIONS: MAY 2018**

(Regulation 2015)

Fourth Semester

**FASHION TECHNOLOGY**

U15FTT402: Fabric Structure and Design

**COURSE OUTCOMES**

**CO1:** Illustrate the elements of woven fabric design.

**CO2:** Develop elementary fabric weave structures.

**CO3:** Explain colour theory and modification of colour.

**CO4:** Develop creative weave designs using colour and weave effects.

**CO5:** Explain the characteristics, properties and applications of woven fabric structures.

**Time: Three Hours**

**Maximum Marks: 100**

**Answer all the Questions:-**

**PART A (10 x 1 = 10 Marks)**

1. Match the elements of weave and their description

CO1 [K<sub>1</sub>]

List I	List II
A. Repeat	i. Order of lifting of heald frame
B. Draft	ii. Quantitative representation of design
C. Denting plan	iii. Order of warp yarn passes through the reed
D. Peg plan	iv. Order of warp yarn passes through the heald frame

- |    | A   | B  | C   | D  |
|----|-----|----|-----|----|
| a) | ii  | i  | iii | iv |
| b) | iii | iv | ii  | i  |
| c) | ii  | iv | iii | i  |
| d) | iii | i  | ii  | iv |

2. The plain weave is extended equally in warp and weft directions, the resultant weave is called as \_\_\_\_\_ weave. CO1 [K<sub>2</sub>]

- |                     |                       |
|---------------------|-----------------------|
| a) Regular warp rib | b) Regular basket     |
| c) Irregular matt   | d) Irregular weft rib |





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|--|-----|-------------------|
| 22. Explain the formation of plain faced bed ford cord fabric and their design, draft, peg plan and weft interlacement view.     | CO2 | [K <sub>2</sub> ] |
| 23. With simple repeat size of designs, explain the principles of crepe fabric production in weaving process.                    | CO2 | [K <sub>2</sub> ] |
| 24. Summarize the various application of colour in weaving industry.   | CO3 | [K <sub>3</sub> ] |
| 25. With simple design, compare the pros and cons of the fabric formation principles between extra warp and extra weft figuring. | CO5 | [K <sub>4</sub> ] |
| 26. Explain the formation of twill back velveteen with suitable design and thread interlacement view.                            | CO5 | [K <sub>2</sub> ] |
| 27. Discuss the creation of wadded warp thread double cloth formation with suitable elements of designs.                         | CO1 | [K <sub>2</sub> ] |

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