

[Total No. of Questions - 9] [Total No. of Printed Pages - 2]
(2123)

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B. Tech 3rd Semester Examination

Textile Design (O.S.)

TE-3004

Time : 3 Hours

Max. Marks : 100

The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.

Note : Attempt five questions in all, select one question from each sections A, B, C and D and all subparts of question in Section E. Graph paper may be supplied on request.

SECTION - A

1. (a) Discuss different type of yarn alongwith their impact on textile design. (10)
- (b) Give a detailed classification of woven fabrics alongwith their uses. (10)
2. (a) Define fabric cover and mention its importance. (8)
- (b) Discuss different methods of fabric presentation. (12)

SECTION - B

3. (a) What is a Twill weave? Discuss different derivatives of a twill weave with giving suitable examples. (14)
- (b) Mention the features and use of Diamond weave. (6)
4. (a) What is a Honey comb weave? Discuss its characteristics. Design and differentiate between a Ordinary and Brighton honey comb weaves. (12)
- (b) Design different derivative of Satin and Sateen weaves. (8)

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SECTION - C

5. What is a Crepe Weave? Mention special features of a crepe weave. Discuss various method of preparation of derivatives of a crepe weave. (20)
6. What are Bedford cord weaves? Discuss different types of Bedford cord weave with their feature and constructional plan. (20)

SECTION - D

7. (a) What is a Terry Weave? Discuss different type of terry weaves. (10)
(b) Discuss the method of preparation of Bird eyes and Hair line effect into a fabric. (10)
8. What is a Backed fabric? Discuss different types of Backed fabric with suitable examples. (20)

SECTION - E

9. Attempt all parts:
 - (a) Define a spun and filament yarn.
 - (b) Define Crimp %.
 - (c) Mention difference in appearance of a Satin and Sateen weave.
 - (d) What is an unbalanced Twill weave?
 - (e) Make a repeat of Crepon Bedford cord weave.
 - (f) Draw a repeat of 8-end Mock leno weave.
 - (g) What is a pile in terry weave?
 - (h) Make a repeat to produce Crows Foot effect.
 - (i) Mention the end uses of a double cloth.
 - (j) What are the important feature of a Backed fabric?
(10×2=20)