

V31/BFD105/EE/20160519

Time : 3 Hours

Marks : 80

Instructions :

1. All Questions are Compulsory.
 2. Each Sub-question carry 5 marks.
 3. Each Sub-question should be answered between 75 to 100 words. Write every questions answer on separate page.
 4. Question paper of 80 Marks, it will be converted in to your programme structure marks.
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1. Solve any **four** sub-questions.
 - a) Explain the physical properties of fibres in brief. Give suitable examples. 5
 - b) What is a yarn? Classify yarns in detail and give examples. 5
 - c) Describe the various methods of producing fabrics in brief. 5
 - d) What is weaving? Explain the terms warp, weft, grain and selvedge in one sentence each. 5
 - e) What are finishes? Differentiate between temporary and permanent finishes. 5

2. Solve any **four** sub-questions.
 - a) How do burning properties and microscopic properties help in identifying a fibre? Give two examples-one considering a natural fibre and the other a synthetic fibre. 5
 - b) Explain the physical, chemical and biological properties of wool. 5
 - c) Differentiate between Warp Knitting and Weft Knitting. 5
 - d) Write a detailed note on Twill Weave. 5
 - e) What are regenerated fibres? Write in brief the process of formation of any two types of regenerated fibres. 5

3. Solve any **four** sub-questions.
- a) Explain the meaning and calculation of Yarn Count in detail. Give examples. 5
 - b) Explain the aesthetic and functional finishes in detail and give suitable examples. 5
 - c) Describe the process of sericulture in brief. Write about the different types of silk in brief. 5
 - d) What is yarn twist? Explain the types and directions of yarn twist with neat diagrams. 5
 - e) Explain the physical and chemical properties of polyester. State its uses. 5
4. Solve any **four** sub-questions.
- a) Explain the pre-finishing treatments given to fabrics in brief and state their importance. 5
 - b) What is retting? Explain the various types of retting. 5
 - c) Write in two sentences each about any five types of Novelty Yarns. 5
 - d) Compare woven and knitted fabrics with examples. 5
 - e) Explain the various yarn spinning processes. 5

