



- Notes : 1. All questions are compulsory.
2. All questions carry equal marks.

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| 1. | a) | Explain the classification of Textile fibers according to origin. | 8 |
| | b) | Explain the production process in details for the following fibres. | 8 |
| | i) | Silk | |
| | | OR | |
| | c) | Explain the properties and uses of following fibre. | 8 |
| | i) | Wool | |
| | ii) | Polyester | |
| | d) | Explain the production process for the following fibre. | 8 |
| | i) | Nylon | |
| 2. | a) | Write down in details about the objective, input-output and process for the following. | 16 |
| | i) | Blending | |
| | ii) | Carding | |
| | iii) | Speed frame | |
| | iv) | Combing. | |
| | | OR | |
| | b) | Draw microscopic structure, details of burning test and chemical Ten. | 16 |
| | i) | Wool | |
| | ii) | Polyester | |
| | iii) | Silk | |
| | iv) | Cotton | |
| 3. | a) | Explain the classification of dyes (colourants). | 16 |
| | b) | Write in detail the dyeing process of Azoic dyes on cotton fabric. | |
| | | OR | |
| | c) | Explain the dyeing process in details for the following. | 16 |
| | i) | Reactive dyes | |
| | ii) | Disperse dyes | |
| 4. | a) | Write in details the following methods of printing. | 16 |
| | i) | Roller Printing | |
| | ii) | Screen Printing | |
| | | OR | |
| | b) | i) Rotary Printing | 16 |
| | | ii) Block Printing | |
| 5. | | Write short notes any four . | 16 |
| | a) | Man -made fibre | |
| | b) | Preparatory process | |
| | c) | Importance of yarn Twisting | |
| | d) | Ikat dyeing. | |
| | e) | Madhubani | |
| | f) | Transfer Printing | |
