



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

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 ii) Block Printing **16**
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

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