

P. Pages : 1

Time : Three Hours



**GUG/W/23/11127**

Max. Marks : 80

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Notes : 1. All questions are compulsory and carry equal marks.

1. a) Write down the physical and chemical properties of the following fiber? **16**  
a) Linen  
b) Silk

**OR**

- b) Write down the production process of natural and man made fibers. **16**
2. a) Write in detail the identification process for the following fibres **4x4**  
(microscopic structure, burning test and chemical test).  
i) Wool ii) Cotton  
iii) Polyester iv) Rayon

**OR**

- b) Explain the process of Pre-preparatory before dyeing and printing of fabric in detail. **16**
3. a) Give the classification of colourants in detail. **16**

**OR**

- b) Explain following. **4x4**  
i) Yarn dyeing ii) Fastness properties of dyes **=16**  
iii) Garment dyeing iv) Ikat
4. a) Explain the following process: **8x2**  
a) Screen printing. **=16**  
b) Roller printing.

**OR**

- b) a) Kalamkari. **8x2**  
b) Sanganeri. **=16**
5. Write short notes **any four**. **4x4**  
a) Nylon. **=16**  
b) Spinning.  
c) Fabric dyeing.  
d) Dyeing defects, causes and remedies.  
e) Patola.

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