

22243

22232

3 Hours / 70 Marks

Seat No.

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- Instructions :**
- (1) All Questions are *compulsory*.
 - (2) Answer each next main Question on a new page.
 - (3) Illustrate your answers with neat sketches wherever necessary.
 - (4) Figures to the right indicate full marks.
 - (5) Assume suitable data, if necessary.
 - (6) Mobile Phone, Pager and any other Electronic Communication devices are not permissible in Examination Hall.

Marks

1. Attempt any FIVE :

10

- (a) State the objectives of ginning.
- (b) Classify the various types of yarn.
- (c) Explain the objectives of carding.
- (d) Define denier count with formulae.
- (e) Define weaving and knitting.
- (f) Classify winding and warping machines.
- (g) State the properties of plain weave (Any Four).

2. Attempt any THREE :

12

- (a) Draw the flow process chart for manufacturing of combed yarn.
- (b) Classify the textile fibres.
- (c) Enlist various yarn parameters. Explain any one of them.
- (d) Explain the objectives of Blowroom.



- 3. Attempt any THREE :** **12**
- (a) Explain direct numbering system with example.
 - (b) Enlist various fabric forming methods. Explain any one of them.
 - (c) Classify the various looms.
 - (d) Draw the process flow chart for manufacturing of grey fabric.
- 4. Attempt any THREE :** **12**
- (a) Explain the importance of size pick up and size add-on.
 - (b) Draw neat labelled sketch showing passage of yarn through ordinary beam warping machine.
 - (c) Enlist various types winding package. Explain them with its specifications.
 - (d) Draw design, draft and peg plan for matt weave.
 - (e) State the characteristics of twill weave.
- 5. Attempt any TWO :** **12**
- (a) Explain the essential properties of textile fibre.
 - (b) Describe the passage of material through ring frame machine.
 - (c) Define following :
 - (i) English count
 - (ii) Tex count
 - (iii) Metric count
- 6. Attempt any TWO :** **12**
- (a) Explain resultant yarn count with suitable examples.
 - (b) Differentiate between woven and knitted fabric.
 - (c) Explain the method to represent the design, draft and peg-plan on graph paper with suitable example.
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