21718

3 Hours / 70 Marks   Seat No.

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) Use of Non-programmable Electronic Pocket Calculator is *permissible*.

(7) Mobile Phone, Pager and any other Electronic Communication devices are *not* permissible in Examination Hall.

(8) Use of Steam tables, logarithmic, Mollier's chart is *permitted*.

Marks

1. Attempt **any five** of the following :   **10**

   a) Classify the textile fibres.

   b) State the necessity of comber.

   c) Define DENIER direct numbering system.

   d) State the concept of yarn linear density yarn.

   e) Define stretch.

   f) State the importance of sizing process.

   g) Mark the 2×2 MATT WEAVE on point paper.

2. Attempt **any three** of the following :   **12**

   a) Give dimensions of bale.

   b) State the importance of pre opening.

   c) Give the classification of yarn.

   d) Give flow process chart of combed yarn.

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| | Marks |

3. Attempt **any three** of the following :   **12**

  a) Give flow process chart for Grey fabric.

  b) Describe passage of material through winding with neat sketch.

  c) Define WOOLLEN and WORSTED Count.

  d) Give classification of Looms.

4. Attempt **any three** of the following :   **12**

  a) Describe passage of material through warping machine with neat sketch.

  b) Describe passage of material through sizing machine with neat sketch.

  c) Draw the bend of sateen weave on point paper.

  d) Construct design, draft and Peg-plan for warp rib weave.

  e) State the objects of drawing in process.

5. Attempt **any two** of the following :   **12**

  a) State the importance of yarn evenness.

  b) Define 'English Cotton Count', 'Metric Count' and 'Tex Count'.

  c) State essential properties of textile forming material.

6. Attempt **any two** of the following :   **12**

  a) State the requirements of beam for beam dyeing.

  b) Construct design, draft and peg-plan for TWILL WEAVE.

  c) Calculate the RESULTANT count of following three yarn combination :

    20's Ne, 40's Ne, 60's Ne.

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