11920

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)   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 and baling. (two each)

     (b)   Define Textile fibres. Write two examples of it.

     (c)   Enlist various types of the yarn.

     (d)   Define English count with formulae.

     (e)   Define warp and weft.

     (f)   State the objectives of warping.

     (g)   State the objects of shedding motion & list down various types of shedding mechanism.

2.   **Attempt any THREE :**   **12**

     (a)   Explain essential properties of textile fibres.

     (b)   Enlist various yarn parameter. Explain any two of them.

     (c)   Differentiate between direct and indirect yarn numbering system. (four points)

     (d)   Explain classimat faults with chart.

     (e)   State the objectives of sizing & give one sizing bath formulation.

3. **Attempt any THREE :** 12

   (a) Classify the textile fibres giving one example each.

   (b) State the objectives of carding and drawframe.

   (c) Calculate the resultant count for the 25^s Ne, 30^s Ne & 1.3 denier ply yarn.

   (d) Give the classification of the looms with respect to different parameters.

4. **Attempt any THREE :** 12

   (a) Explain the drawing-in process with its objectives.

   (b) Enlist various fabric defects and explain any two fabric defects.

   (c) Define weaving and knitting.

   (d) Define Tex and Denier count with one suitable example each.

5. **Attempt any TWO :** 12

   (a) Explain the process flow chart for manufacturing of carded yarn with the objective of each process.

   (b) Explain the process flow chart for Grey fabric.

   (c) Explain following elements of fabric :

   (i) EPI

   (ii) Cover factor

   (iii) G.S.M.

6. **Attempt any TWO :** 12

   (a) Explain the passage of warp through beam warping machine with neat sketch.

   (b) Differentiate between weaving and knitting (any six points)

   (c) Classify the yarn. Explain any three of them with its properties.

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