

17693

15162

2 Hours / 50 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.

Marks

1. Attempt any SEVEN :

14

- (a) State the object of Blending.
- (b) What does the index of blend irregularity indicate ?
- (c) What are modified stretch Yarn ?
- (d) Write the objects of Texturising.
- (e) State the Blow room line for processing P/V blends.
- (f) Explain the importance of tinting in the spinning of Man-made fibre.
- (g) What are the factors influencing the selection of blend constituents ?
- (h) Compare Textured Yarn and Spun Yarn.
- (i) Write the application of textured Yarn.
- (j) Draw principle diagram of edge crimping method and label its parts.

2. Attempt any FOUR :

12

- (a) What are the conditions that must be fulfilled by a dye to be eligible for tinting purpose ?
- (b) State the advantages and disadvantages of Draw-frame blending.

- (c) Discuss the causes and remedies of roller lapping while processing man-made and their blend.
- (d) With suitable diagram, explain principle of false twist texturing.
- (e) Compare Stretch Yarn and Bulk Yarn.
- (f) Explain the defects occurs in Textured Yarn.

3. Attempt any FOUR :**12**

- (a) What precaution must to be taken in draw-frame while processing blends ?
(PC and PV)
- (b) Write the properties of Ring spun blended yarn.
- (c) Draw a flowchart for polyester – cotton blended yarn by draw – frame blending method.
- (d) Write the importance of humidity and temperature while spinning blends.
- (e) Explain the effects of various machine and process variables which affects on yarn quality of air-jet textured yarn.
- (f) Draw and explain gear crimping texturing method.

4. Attempt any FOUR :**12**

- (a) Draw and explain Knit-de-knit process.
 - (b) Write down the property air-jet textured yarn, also give its end uses.
 - (c) What is Draw – Texturing ? Explain its principle.
 - (d) Write down the common faults in blended Yarn.
 - (e) Write the merits and demerits of blow-room blending.
 - (f) Explain changes required in carding to process man-made and blends.
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