

17693

16117

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

Marks

1. Attempt any SIX of the following:

18

- a) State the objects of blending.
- b) State role of tinting in blending.
- c) Define relative humidity and give its formula.
- d) Enlist various yarn faults.
- e) State the need of blending with one example.
- f) Why texturising process is required?
- g) Give the classification of texturised yarn.
- h) Draw the schematic figure at edge crimping.
- i) Enlist various defect generated due to texturising process.

P.T.O.

2. Attempt any TWO of the following:**16**

- a) Describe various changes to be made on spinning process to run ply blend.
- b) (i) Define degree of mixing and index of blend irregularly.
(ii) State the advantage and disadvantages of blow room blending and DIF blending.
- c) Explain false twist texturing method with neat sketch.

3. Attempt any TWO of the following:**16**

- a) (i) Compare between spun yarns with filament yarns.
(ii) Give the classification of various texturing method.
 - b) Discuss various factors to be considered while selecting the blend constituents.
 - c) Draw the schematic figure of air jet texturing and state the principle of air jet texturing.
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