

17693

21819

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

Marks

1. Attempt any SEVEN of the following :

7 × 2 = 14

- (a) Write the objects of blending.
- (b) Define degree of mixing.
- (c) Define Index of Blend Irregularity.
- (d) Why tinting is necessary ?
- (e) Write object of texturising.
- (f) Why false twist is necessary ?
- (g) What is bulk yarn ?

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- (h) Write objects of stuffer box crimping.
- (i) What is modified stretch yarn ?
- (j) Write the application of edge crimp yarn.

2. Attempt any FOUR of the following :

4 × 3 = 12

- (a) Write the advantages and disadvantages of blow room blending.
- (b) Write difference between blow-room blending and draw frame blending.
- (c) Write the changes to be made while processing p/v blends on cotton spinning system.
- (d) List the blend yarn faults.
- (e) Write the procedure of processing long staple fibres.
- (f) Write the properties of ring spun blended yarn.

3. Attempt any FOUR of the following :

4 × 3 = 12

- (a) Write different blend yarn faults causes and remedies.
- (b) Write the effect of RH% and temperature on blend spinning.
- (c) Write the changes to be made at each stage while spinning p/c blends on cotton spinning system.
- (d) Write advantages and disadvantages of draw frame blending.
- (e) Draw and label Air jet texturing.
- (f) Draw and label stuffer-box crimping.

4. Attempt any FOUR of the following :

4 × 3 = 12

- (a) Write the effect of machine variables on false twist texturing.
 - (b) Write comparison between pin spindle and friction disc false twisting method.
 - (c) Draw and label edge crimping method.
 - (d) Write the causes and remedies of texturised yarn faults.
 - (e) Write difference between spun yarn and filament yarn.
 - (f) Write the end-uses of knit-de-knit yarn.
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