

22245

22232

3 Hours / 70 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 FIVE of the following :

10

- (a) State the importance of cotton bale formation.
- (b) State three important characteristics of textile fibre.
- (c) List any six important textile fibres.
- (d) Compare hand picking and textile mechanical picking of cotton.
- (e) State the objects of carding.
- (f) State the objects of blow room.
- (g) List the sequence of machines in modern blow Room line.

2. Attempt any THREE of the following :

12

- (a) Describe the influence of fibre length on yarn properties.
- (b) State the objects of ginning and describe cotton pressing and baling process.
- (c) Give the flow chart of combed yarn.
- (d) List the factors on which intensity of cotton opening is decided.



- 3. Attempt any THREE of the following : 12**
- (a) Describe the conditioning of raw material before processing it through Blow Room.
 - (b) Explain the working of any one ginning machine with sketch.
 - (c) State the objects of Drawframe, Comber, Speedframe and Ringframe machines.
 - (d) Describe transportation material in Blow Room by various methods.
- 4. Attempt any THREE of the following : 12**
- (a) Describe the control of material flow in Blow Room.
 - (b) Explain working of conventional bale opener with sketch.
 - (c) Explain working of Axi flow cleaner with sketch.
 - (d) Explain the working of any one automatic mixer used in Blow Room.
 - (e) Explain any one automatic bale opener with it's advantages.
- 5. Attempt any TWO of the following : 12**
- (a) Draw the sketch of scutcher and label the parts.
 - (b) Explain working of step cleaner with sketch.
 - (c) Draw a sketch of cleanomat and label the parts.
- 6. Attempt any TWO of the following : 12**
- (a) Draw the sketch of metal detector and give its importance.
 - (b) Explain ERM cleaner with sketch.
 - (c) Explain the importance of dedusting machine with sketch.
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