

# 17224

**21819**

**3 Hours / 100 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) Mobile Phone, Pager and any other Electronic Communication devices are not permissible in Examination Hall.

**Marks**

- 1. Attempt any TEN of the following: 20**
- What are the objectives of ginning?
  - State objectives of blow room.
  - Enlist various characteristics of textiles fibre.
  - What is bale?
  - What do you mean by neps?
  - Enlist various methods used for transport of material in blow room.
  - Explain about dust and fly in blow room.
  - What do you mean by scutcher?
  - What is the function of feed apparatus?
  - Explain about fibre fineness.
  - State the function of grid bars.
  - What do you mean by fibre maturity?
  - Define cleaning efficiency of blow room with formulae.

P.T.O.

- 2. Attempt any TWO of the following: 16**
- a) Describe construction and working of bale opener with neat sketch?
  - b) Explain essential properties of cotton fibres
  - c) Describe construction and working of double roller gin.
- 3. Attempt any TWO of the following: 16**
- a) Differentiate between mechanical picking and hand picking.
  - b) Explain working of dust extractor.
  - c) Describe the method of recycling of raw material in blow room.
- 4. Attempt any TWO of the following: 16**
- a) Explain factors influencing opening and cleaning.
  - b) Explain elements of grid and grid adjustment.
  - c) Explain stack mixing in details.
- 5. Attempt any TWO of the following: 16**
- a) Explain the importance of fibre characteristics which influences the spinning performance.
  - b) Explain blendomat in details.
  - c) Explain optical regulating system in stop go operation.
- 6. Attempt any TWO of the following: 16**
- a) Describe the different types of opening devices in blowroom.
  - b) Explain construction and working of Maxiflow cleaner.
  - c) Describe construction and working of Uniflex cleaner.
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