



17224

21314

3 Hours/100 Marks

Seat No.

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- Instructions :** (1) **All** questions are **compulsory**.
(2) Illustrate your answers with **neat** sketches **wherever** necessary.
(3) Figures to the **right** indicate **full** marks.
(4) Assume suitable data, if **necessary**.
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MARKS

1. Attempt **any ten** :

20

- What are objectives of ginning ?
- Explain baring of cotton.
- State objectives of blow room.
- Define cleaning efficiency of blow room.
- Give the importance of fibre length in spinning.
- Enlist various properties of raw material in spinning.
- Enlist various machines used in blow room.
- What is the function of fire eliminators in blow room ?
 - What do you mean by switcher in blow room line ?
 - What is the function of grid in blow room machine ?
- What is the importance of fibre maturity in spinning ?
 - Explain dust and fly in blow room.
- Explain cultivation of cotton.

2. Attempt **any two** :

16

- Explain different types picking of cotton with their comparison.
- Describe Bale opener with neat sketch.
- Explain transport of material in blow room in detail.

P.T.O.

**MARKS**

3. Attempt **any two** : **16**
- a) Describe the construction and working of double roller gin with neat sketch.
 - b) Explain following different characteristics of raw material and their importance in spinning :
 - i) Fibre fineness
 - ii) Elongation.
 - c) Describe the Unimix used in blow room.
4. Attempt **any two** : **16**
- a) Explain fibre cleaners and dust in raw material. Also explain its importance in spinning.
 - b) Explain general factors influencing opening and cleaning in blow room.
 - c) Explain blendomat with its advantages.
5. Attempt **any two** : **16**
- a) Explain mixing and conditioning of cotton.
 - b) Explain different opening devices on blow room.
 - c) Explain the pre cleaner in blow room.
6. Attempt **any two** : **16**
- a) Explain dust removal in blow room.
 - b) Explain multimixer with advantages and disadvantages.
 - c) Explain automatic bale opener with its salient features.
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