



22243

11819

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 :

(2×5=10)

- a) Give the dimensions of Indian bale.
- b) Define yarn elongation.
- c) State the advantages of open end yarn.
- d) Define count.
- e) State the objects of winding.
- f) State the necessity of cone dyeing.
- g) Define lifting plan.

2. Attempt **any three** of the following :

(4×3=12)

- a) State the necessity of pre ginning and its effect on fibre.
- b) State the application of combed yarn.
- c) Draw and label passage of material through ring frame.
- d) State the causes of yarn hairyness.

3. Attempt **any three** of the following :

(4×3=12)

- a) Give flow process chart of a grey fabric.
- b) State the necessity of pirn winding.
- c) State the advantages and disadvantages of cone dyeing.
- d) Give the process flowchart for warp and wett both coloured fabric.

P.T.O.



4. Attempt **any three** of the following : (4×3=12)
- a) State the objects of winding.
 - b) Give the importance of sizing.
 - c) Define E.P.I. and P.P.I.
 - d) Mark 5 end satin weave.
 - e) Mark the regular weft Rib weave on point paper.
5. Attempt **any two** of the following : (6×2=12)
- a) Give the essential properties of textile fibre.
 - b) State the difference between Silver lap and Ribbon lap.
 - c) Calculate the english count of yarn if weight of yarn is 3.5 gms and length of yarn is 1200 yds.
6. Attempt **any two** of the following : (6×2=12)
- a) State the difficulties in measuring yarn diameter.
 - b) i) Draw the loop structure of knitted fabric.
ii) Enlist the properties of knitted fabrics.
 - c) Define : 1) Design 2) Draft 3) Denting 4) Cover factor.
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