

17460

11819

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) 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: **20****
- a) Describe factors affecting marker efficiency and quality of marker.
 - b) State requirements of quality cutting.
 - c) Draw diagram of sewing needle. Indicate its parts and state their functions.
 - d) Explain the tension mechanism in SNLS machine.
 - e) Explain differential feed mechanism for flat lock machine.
 - f) Draw threading diagram for 5-thread overlock machine.
 - g) Distinguish between one way spread and face of face spread.

P.T.O.

- 2. Attempt any TWO of the following:** **16**
- a) Define marker making. Explain single size and multiple size marker.
 - b) Describe functions of following parts with neat sketches in sewing machine.
 - (i) Loopers
 - (ii) Loop spreader
 - (iii) Throat plate
 - (iv) Take off device
 - c) State objectives of fusing. Explain importance of Time, Temperature and Pressure in fusing.
- 3. Attempt any TWO of the following:** **16**
- a) Explain working of –
 - (i) Straight knife
 - (ii) Round knife
 - (iii) Band knife
 - (iv) Specialised knives (notchers and drills)
 - b) List any four defects in cutting. State their causes and suggest remedies for the same.
 - c) Describe working of –
 - (i) Pocket making attachment
 - (ii) Collar turning machine
- 4. Attempt any TWO of the following:** **16**
- a) Explain any four defects due to faulty needles and suggest remedies for them.
 - b) Write functions of feed dog, take up lever, tension setter and bobbin shuttle in sewing machine.
 - c) Explain construction and working of blind stitch machine.

5. Attempt any TWO of the following:**16**

- a) Explain functions of upper and lower knife and loopers in 3-thread over lock machines.
- b) Explain working of high pressure steam pressing machine. Write function of Ironing board.
- c) Write importance of computer aided sewing machines. Explain button hole and button sewing machine in brief.

6. Attempt any FOUR of the following:**16**

- a) Describe stitch length selection mechanism in SLNS m/c and explain factor governing it.
 - b) Explain use of pantograph method for marker making.
 - c) Give significance of differential needle heights and loop spreader in flat lock machine.
 - d) Describe die cutting machine and state its use.
 - e) Describe working of overlock machine (any one type).
 - f) Explain needle 'sizing'. Name the machines for which HA, DB, DC, TQ needles are used.
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