

17460

11718

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) Assume suitable data, if necessary.
(5) Mobile Phone, Pager and any other Electronic Communication devices are not permissible in Examination Hall.

Marks

- 1. Attempt any TEN of the following:** **20**
- Define spreading. State its types.
 - Enlist the types of fabric packages.
 - State the functions of following specialised knives:
 - Notchers
 - Drill
 - State requirements of quality cutting.
 - Write features of modern UBT single needle machine. Name two manufacturers of sewing m/cs.
 - Give the position of needle in SNLS.
 - Classify the needles according to their shapes.
 - State function of the feed dog in SNLS.
 - Enlist types of overlock m/c.
 - Name any four attachments to a sewing m/c.

P.T.O.

- k) Sketch and state function of loopers.
- l) Define seam puckering.
- m) Name various types of pressing m/cs.
- n) State the advantages of using work aids.

2. Attempt any FOUR of the following: 16

- a) State the types of lays. Explain spreading and forms of spreading.
- b) Explain construction and working of band knife cutting machine.
- c) Draw the sewing needle diagram. Name the various parts and state their functions.
- d) Describe drop feed. State the procedure for selection of stitch length in SNLS.
- e) Describe the concept of differential feed ratio for flat lock machine.
- f) Define work-aids. Explain four modified presser feet as workaids.

3. Attempt any TWO of the following: 16

- a) Explain any four defects due to faulty needles and suggest remedies.
- b) Compare three thread with five thread overlock machine.
- c) Enlist various modern sewing machines used in garment industry? Explain working of bar tack machines.

4. Attempt any FOUR of the following: 16

- a) List the equipments used for making a marker in computerized system. Explain pantograph mechanism.
- b) Describe construction and working of straight knife cutting m/c.
- c) Explain defects in various cutting m/c and suggest their remedies.

- d) Explain following terms:
 - (i) Tongue chaining plate
 - (ii) Take offs device in sewing machine.
- e) Describe pedal mechanism in overlock m/c.
- f) Explain the following attachments of sewing machine:
 - (i) Loopy folders
 - (ii) Pocket making attachments

5. Attempt any TWO of the following: 16

- a) What are the requirements of fabric spreading? Compare manual spreading and automatic spreading.
- b) Describe working of high pressure steam press and tunnel pressing machine.
- c) Explain the threading diagram of Buttonhole machine. Explain working of button sewing machine.

6. Attempt any FOUR of the following: 16

- a) Describe the factors affecting marker efficiency and quality.
 - b) Write construction and working of round knife machine.
 - c) Explain following terms:
 - (i) Bobbin shuttle
 - (ii) Loop spreader
 - d) Explain mechanism of:
 - (i) Stitch formation
 - (ii) Tension setter in SNLS m/c.
 - e) Draw threading diagram for 5-thread overlock machine and label it.
 - f) Explain computer aided machine. Write causes and suggest remedies to minimise seam puckering.
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