

17460

21415

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.
(5) Mobile Phone, Pager and any other Electronic Communication devices are not permissible in Examination Hall.
(6) Abbreviations used convey usual meaning.

Marks

1. Answer any TEN of the following:

20

- Define spreading. State its types.
- State requirements of quality cutting.
- What are the types of fabric packages?
- Write function of bobbin shuttle in a sewing machine.
- What is tension setter? How does it work?
- Name various types of over lock machines.
- Write function of 'loopers' in flat lock machine.
- Name four attachments of a sewing machine.
- Give the position of needle in SNLS.
- State advantages of using work aids.
- Write features of modern sewing machines. Name two manufacturers of them.

P.T.O.

- l) Suggest the names of machineries for which -
- (i) DB
 - (ii) DC
 - (iii) TQ
 - (iv) TV needles are used.
- m) What is blind stitch machine? Write its application.
- n) How many pedals are provided in over lock machinery? Write their functions.

2. Answer any FOUR of the following: 16

- a) Enlist the various types of resins used for fusing. Explain a method of application of resin.
- b) Write factors affecting marker efficiency and quality.
- c) Explain the concept of differential feed ratio for flat lock machine.
- d) (i) State any two defects due to faulty needle.
(ii) Suggest remedies for them.
- e) What is pantograph? Explain its use in market making.
- f) What is marking? Explain single size and multiple size markers.

3. Answer any TWO of the following: 16

- a) Draw a threading diagram for 5-thread over lock machinery. State number of loopers, their location and functions.
- b) Explain working of:
 - (i) pocket making attachment
 - (ii) hemmers.
- c) (i) Write advantages of portable knives.
(ii) Explain straight knife or round knife cutting machinery.

- 4. Answer any FOUR of the following:** **16**
- a) Explain function of tongue chaining plate and take off device in a sewing machine.
 - b) Draw a threading diagram for 5-thread flat lock machinery.
 - c) State importance of feed dog height and angles in over lock machines.
 - d) Give the classification of needles according to their shape.
 - e) Name any four cutting defects. Suggest remedies for any one of the defect.
 - f) How will you adjust SPI and tension on both threads in SNLS?
- 5. Answer any TWO of the following:** **16**
- a) What is seam puckering? Write its causes and suggest remedies to minimise it.
 - b) Explain any two forms of spreading:
 - (i) one way
 - (ii) face to face
 - (iii) two way.
 - c) Explain band knife and die cutting machine in cutting operations.
- 6. Answer any FOUR of the following:** **16**
- a) Draw a needle indicating its parts.
 - b) Explain functions of feed systems in a sewing machine.
 - c) Describe working of high pressure steam pressing machine.
 - d) State requirements of fusing.
 - e) Explain computer aided, button sewing machine.
 - f) State the factors affecting stitch length selection in a sewing machine.
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