

17460

14115

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) Use of Non-programmable Electronic Pocket Calculator is permissible.
- (6) Mobile Phone, Pager and any other Electronic Communication devices are not permissible in Examination Hall.

Marks

1. Attempt any TEN of the following: **20**
- a) Write any two specific objectives of marker making.
- b) List the types of spread and forms of spreading.
- c) What are the requirements of quality cutting?
- d) State the functions of following specialised knives:
- (i) Notchers and
- (ii) Drill.
- e) Give the procedure for fitting needle in SNLS.
- f) List any four defects observed due to faulty needles.
- g) Write the function of feed dog.
- h) What are the various sizes of needles?

P.T.O.

- i) How many pedals are provided in overlock machinery? Give their functions.
- j) Define differential feed ratio.
- k) What are the requirements of fusing (any two)?
- l) What are the advantages of using work aids?
- m) What is seam puckering?
- n) Suggest any two machinery that are using loopers.

2. Attempt any FOUR of the following: 16

- a) List the equipments used for making a marker. Explain pantograph mechanism.
- b) Explain construction and working of die cutting machine.
- c) Draw the sewing needle diagram. Name the various parts and state their functions.
- d) What is reverse feed? State the procedure for selection of stitch length in SNLS.
- e) Draw the threading diagram for 5-thread flatlock machinery.
- f) How feed dog height angles is adjusted? Explain the setting of upper and lower knife.

3. Attempt any TWO of the following: 16

- a) Explain the following attachments of sewing machine:
 - (i) compacting pressure foot
 - (ii) pocket making attachments.
- b) What are the various modern sewing machines used in garment industry? Explain working of blind stitch machines. Also state advantages of it.
- c) What are the basic parts of sewing machine? Draw and explain threading diagram for sewing machine (SNLS).

- 4. Attempt any FOUR of the following:** **16**
- a) What are the types of fabric packages received in garment factory stores? State their effects on spreading method.
 - b) What are the defects observed in cutting department? Suggest their remedies.
 - c) How will you adjust SPI and tension on both threads in SNLS?
 - d) Compare 4-thread and 5-thread overlock machine.
 - e) How are needles classified according to its shape? Draw a labelled sketch of any one.
 - f) Explain the method of applying resin for fusing.
- 5. Attempt any TWO of the following:** **16**
- a) What are the requirements of fabric spreading? Compare manual spreading and automatic spreading.
 - b) Explain working of band knife cutting machine and state its advantages.
 - c) Enlist the accessories used in pressing machines. Explain any two with neat sketches.
- 6. Attempt any FOUR of the following:** **16**
- a) Compare straight knife and round knife cutting m/c.
 - b) Explain with neat sketch working of looper.
 - c) Explain button hole machine.
 - d) Draw threading diagram for 3-thread overlock machine and label it.
 - e) State the factors affecting marker efficiency and quality.
 - f) How needle height is adjusted and what is its significance in flatlock m/c?
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