

# 17460

**21314**

**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. Answer any TEN of the following: 20**

- a) Suggest the names of machineries for which-
- i) DB
  - ii) DC
  - iii) TQ and
  - iv) TV needles are used.
- b) Define spreading.
- c) What is ideal cutting ?
- d) Enlist the various types of overlock machineries.
- e) Define work aids.
- f) State the purpose for which blind stitch machine is used.

P.T.O.

- g) What is marker ?
- h) Name any two types of stationary knives.
- i) Name the two needle numbering systems.
- j) Give the position of needle in SNLS.
- k) Where do we find throat plate in SNLS ?
- l) How many pedals are provided in overlock machinery and what are their functions ?
- m) What is the function of bar tack machinery ?
- n) State the advantages of using work aids.

**2. Answer any FOUR of the following: 16**

- a) What are the various types of fabric packages that are received in garment industry stores ?
- b) Draw the sewing needle diagram. Name the various parts and state their functions.
- c) Give any four cutting defects and suggest the remedies for the same.
- d) Explain working of any one computer aided machinery that is used in garment industry.
- e) Explain the objectives of pressing.
- f) What is a looper ? Explain with diagram. Also suggest any 2 machinery that are using loopers.

**3. Answer any TWO of the following:****16**

- a) Explain the construction and working of
  - i) Straight knife cutting machinery.
  - ii) Round knife cutting machinery.
- b) Explain the various feed systems found in sewing machineries.
- c) Explain the working of
  - i) Hemmers
  - ii) Coller turning machinery.

**4. Answer any FOUR of the following:****16**

- a) Enlist the various types of resins used for fusing and explain fusing machinery with conveyor belt.
- b) Draw the threading diagram for 5-thread flatlock machinery.
- c) Explain the setting of upper and lower knife and state the function of knives in overlock machinery.
- d) Explain the functions of-
  - i) Pressure foot
  - ii) Feed dog.
- e) Give the classification of needles according to its shape.
- f) What are the various requirements for precision cutting ?

- 5. Answer any TWO of the following:** **16**
- a) Explain the various types of lays and methods of spreading.
  - b) Draw the threading diagram for 5-thread overlock machinery. State the no. of loopers, their locations and functions in the same.
  - c) Explain any four factors responsible for seam puckering and suggest the remedial action.
- 6. Answer any FOUR of the following:** **16**
- a) Explain the factors affecting efficiency of marker planning.
  - b) State working and advantages of band knife cutting machinery.
  - c) Enlist any four defects due to use of faulty needle on machinery.
  - d) How will you adjust SPI and tension on both threads in SNLS ?
  - e) Explain the concept of 'differential feed ratio'.
  - f) Explain the various types of pressing machineries in short.
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