

17460

21819

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) Give the position of needle in SNLS.
- b) State requirement of quality cutting.
- c) Name any four attachments of sewing machine.
- d) State objectives of fusing.
- e) Write function of “loop spreader” in sewing machine.
- f) Define blind stitch. Write its application.
- g) List types of fabric packages.
- h) Enlist the various sizes of needles.
- i) Define differential feed ratio? State its significance.
- j) Define seam puckering.
- k) State requirement of fusing.

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- l) State advantages of vacuum pressing table.
- m) Compare three threads V/S four thread over lock sewing machine.
- n) List any four defects observed due to faulty needle.

2. Attempt any FOUR of the following: 16

- a) Compare straight knife with round knife cutting machine.
- b) Explain construction and working of die cutting machine.
- c) Explain the setting of SPI and tension on both thread in SNLS.
- d) Explain the methods of applying resin on fusible interlining.
- e) Draw threading diagram for five threads over lock machine and label it.
- f) Explain following attachment of sewing machine:
 - (i) Hemmer
 - (ii) Compacting Pressure foot.

3. Attempt any TWO of the following: 16

- a) Explain various forms of spreading describe automatic spreading.
- b) Explain any two specialized knives used for cutting with sketches. State their applications.
- c) Explain working of bond knife cutting machine and state its advantages.

4. Attempt any FOUR of the following: 16

- a) Give sewing needle classification according to shape. Draw a labeled sketch of any one.
- b) Write function of needles.
- c) Explain working of button hole machine.
- d) Explain the use of computers in modern sewing machines.
- e) Explain threading steps with diagram for five thread flat lock machine.
- f) State the factors affecting marker efficiency and quality.

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

- a) Explain functions of:
 - (i) Throat plate
 - (ii) Tension setter
 - (iii) Feed dog
 - (iv) Hook shuttle in sewing machine.
- b) Explain terms under moulding and top pressing used in pressing machines write function of sleeve board and bucks.
- c) State effect of following in overlock machine:
 - (i) Needle height
 - (ii) Feed dog height angles
 - (iii) Position of knives
 - (iv) Loopers

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

- a) Explain the use of pantograph in marking.
 - b) State function of “feed mechanism” and “take off device” in sewing machine.
 - c) State importance of stitch sequence and needle height in flat lock machine.
 - d) Enlist equipments used for fusing and explain any one.
 - e) State use of bar tack machine, explain its working.
 - f) Define reverse feed? State the procedure for selection of stitch length in SNLS.
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