

17460

16117

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 FIVE of the following:** **20**
- a) Enlist the types of markers and explain multiple size marker.
- b) Explain the requirements of quality cutting.
- c) Give the needle classification based on the cutting point. Also state the significance of each class.
- d) Explain the tension mechanism in SNLS m/c.
- e) Draw the threading diagram for 5-thread overlock m/c.
- f) What are magnetic guides? How and why they are used in sewing operation.
- g) What is seam puckering? What are the factors affecting seam puckering?

P.T.O.

- 2. Answer any TWO of the following:** **16**
- a) Explain the manual and automatic machine spreading operations.
 - b) Enlist any 4 cutting defects, analyse the causes and suggest the remedies for the same.
 - c) Discuss about the various feed systems in sewing m/c^s.
- 3. Answer any TWO of the following:** **16**
- a) (i) Write a note on needle sizing systems.
(ii) Suggest the m/c^s for which HA, DB, DC, TQ, DP, TV and UY needles are used.
 - b) (i) Draw the sketch for looper and explain the threading of looper.
(ii) Explain the pedal mechanism for UBT sewing m/c.
 - c) Discuss the differential feed mechanism for overlock m/c.
- 4. Answer any TWO of the following:** **16**
- a) Explain construction and working of straight knife cutting m/c.
 - b) (i) Define workaids and state their advantages.
(ii) Explain any four types of modified presser feet.
 - c) Discuss the use of computer aids in garment manufacturing process.
- 5. Answer any FOUR of the following:** **16**
- a) Define marker and explain factors affecting marker efficiency.
 - b) Differentiate between portable and stationery knife.
 - c) Draw the sewing needle showing its parts. Also state functions of each part.

- d) State the functions of :
 - (i) Bobbin case
 - (ii) Shuttle or hook set
 - (iii) Throat plate
 - (iv) Feed dog
- e) Explain construction and working of collar turning m/c.
- f) State the significance of time, temperature and pressure in fusing.

6. Answer any FOUR of the following:

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- a) Give diagrammatic representation for different forms of spreads and state their situational uses with 1 example each.
 - b) Explain the overedge stitch with neat sketch for 3-thread overlock m/c.
 - c) Give the significance of differential needle heights and loop spreader in flat lock m/c.
 - d) Elaborate the functioning of vacuum table press with bucks.
 - e) State the 4 locations (each) in the garments where bar tack m/c and blind stitch m/c^s are used.
 - f) Draw threading diagram and explain the working of flat lock m/c.
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