

Invigilator's Signature :

CS/B.Tech(APM)/SEM-5/APM-502/2009-10 2009

GARMENT PRODUCTION MACHINERY & EQUIPMENT

Time Allotted : 3 Hours

Full Marks : 70

The figures in the margin indicate full marks. Candidates are required to give their answers in their own words as far as practicable.

GROUP – A (Objective Type Questions)

1. State whether the following statements are True or False :

 $10 \times 1 = 10$

- i) Stitch class 301 is called the universal stitch.
- ii) Blind hem is classified as stitch class-101.
- iii) Back tack is a reinforcement stitch.
- iv) Needle type used for overlock machine is DCX 1.
- v) For button hole machine induction motor is used.
- vi) In case of band knife machine the fabric remains stationary.
- vii) For high quality premium shirt making SPI is to be maintained between 18–21.
- viii) Higher the ticket number for sewing thread, finer is the thread.

55244

[Turn over

CS/B.Tech(APM)/SEM-5/APM-502/2009-10



ix) Needle type DBX1, size-11 is bigger in diameterDBX1, size-14.

 x) Cut order planning is done to ensure maximum utilization of fabric.

GROUP – B

(Short Answer Type Questions)

Answer any *three* of the following. $3 \times 5 = 15$

- 2. Draw a neat diagram of a sewing needle with marking on different parts of it.
- 3. What is stitch number ?

Calculate sewing thread consumed for a sewn garment which has the following details :

80 cm length of stitch class – 503

60 cm length of stitch class – 401

30 cm length of flat lock, stitch class – 406 2 + 3

4. Suggest needle sizes and SPI to be used for following fabrics:

Poplin fabric of 90 gsm

Jeans fabric of 14 oz/sqr. yard.

Bottom weight fabric of 240 gsm.

- 5. Draw and explain the functions of the following parts of single needle lock stitch machine : $2 \times 2\frac{1}{2}$
 - a) Feed dog
 - b) Pressure foot.
- 6. Discuss the working of any one type of sewing machine and its sequential operation for stitching.

55244



[Turn over

