

22666

24225

3 Hours / 70 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) Figures to the right indicate full marks.
(5) Assume suitable data, if necessary.
(6) Use of Non-programmable Electronic Pocket Calculator is permissible.
(7) Mobile Phone, Pager and any other Electronic Communication devices are not permissible in Examination Hall.

Marks

1. **Attempt any FIVE of the following :** **10**
- a) Give any two definitions of 'Quality'.
 - b) Explain 'Lot by Lot' sampling.
 - c) List any four defects in finishing department.
 - d) State 'contraction' in shrinkage.
 - e) List any four checkpoints in marker making for factory evaluation.
 - f) List all dimensions of quality.
 - g) List any two causes of seam puckering.

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- 2. Attempt any THREE of the following :** **12**
- a) Explain any four attributes contributing to quality in customers mind.
 - b) Describe procedure for measurement of snagging.
 - c) Explain checks in spreading process.
 - d) Explain procedure for cotton-polyester blend analysis.
- 3. Attempt any THREE of the following :** **12**
- a) Explain 'Quality assurance' in garment industry.
 - b) Give the MIT-STD-105 for single sampling for 2.5% AQL for lot size of 151-280, 281-500, 501-1200.
 - c) Calculate defect points per 100 square meters as per four point system where a fabric roll of 240 meters long and 1.2 meters wide contains the following defects.
 - 04 Defects upto 75mm
 - 10 Defects of 75mm to 150mm
 - 02 Defects of 150mm to 230mm
 - 02 Defects over 230mm
 - d) Describe the procedure for measurement of abrasion resistance of fusible interlinings.
- 4. Attempt any THREE of the following :** **12**
- a) Brief about ISO meaning of quality.
 - b) Describe the measurement procedure of button impact resistance.
 - c) Explain AQL with standard chart.
 - d) Explain procedure to test colour fastness to light of dyed fabric.
 - e) List the benefits of six sigma.

5. Attempt any TWO of the following :**12**

- a) Draw the care label symbols for the following conditions.
 - i) Machine wash permanent press
 - ii) Tumble dry permanent press
 - iii) Low temperature Iron
 - iv) Do-not bleach
 - v) Dry clean petroleum solvent mild cycle
 - vi) Do not hang for dry.
- b) Describe procedure for measurement of Bow and Skewness in fabric with suitable sketch.
- c) Suggest the quality checks for factory evaluation in fusing, finishing and final inspection.

6. Attempt any TWO of the following :**12**

- a) Suggest with explanation the fastness tests for sports wear.
 - b) Describe the measurement of degradation of elastic to repeated laundering.
 - c) Describe lean management in garment industry.
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