

22582

23124

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) Define Crimp.
- b) Define bending length of fabric.
- c) Define wear of fabric.
- d) Define Air permeability of fabric.
- e) State the objective of Tear Strength testing of fabric.
- f) State the objective of Tensile strength testing of fabric.
- g) Define Seam slippage.
- 2. Attempt any THREE of the following :** **12**
- a) Describe Fabric sampling.
- b) Describe method of determination of threads per inch of fabric.
- c) Describe the factors affecting drape of fabric.
- d) Describe the method for determination of stiffness of fabric.

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- 3. Attempt any THREE of the following :** **12**
- a) Describe the types of fabric abrasion.
 - b) Describe factors affecting pill formation in fabric.
 - c) Describe Water-Drop penetration test for fabric with sketch.
 - d) Describe a method for determination of Thermal Insulation value of fabric.
- 4. Attempt any THREE of the following :** **12**
- a) Describe the effects of fabric properties on the tensile strength of fabric.
 - b) Describe the method of testing tear strength of fabric by Elmendorf tear strength tester.
 - c) Describe the working of bursting strength tester with neat sketch.
 - d) Describe seam strength and seam Efficiency.
 - e) Describe the method for determination of colour fastness of fabric to rubbing.
- 5. Attempt any TWO of the following :** **12**
- a) Describe the method of determination of Crimp by Crimp tester and care to be taken while testing.
 - b) Describe factors affecting crease recovery of fabric.
 - c) Describe the properties of fabric which affects its abrasion resistance.
- 6. Attempt any TWO of the following :** **12**
- a) Describe factors affecting air permeability of fabric.
 - b) Describe the factors affecting tear and bursting strength of fabric.
 - c) Describe Relaxation and swelling shrinkage of fabric.
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