



B. TECH.

THEORY EXAMINATION (SEM-VI) 2016-17

COATING OF TEXTILES

Time : 3 Hours

Max. Marks : 100

Note : Be precise in your answer.

SECTION-A

1 Explain the following : (10x2=20)

- a) Polymeric material
- b) Acrylic polymer
- c) Coating
- d) Calendaring
- e) Rheology
- f) Fabric
- g) Clothing comfort
- h) Breathable fabric
- i) Abrasion resistance
- j) Low temperature impact test

SECTION-B

2 Attempt any five parts of the following: (10x5=50)

- a) What is the concept of curing? Explain the method of curing of rubber coating.
- b) Discuss any one screen printing method for coating.
- c) Explain the roller coating process with the help of examples.
- d) Discuss "Knife as a Coating Head".
- e) Establish the relation between thickness of coating to distance between fabric and knife.
- f) Explain Plastisols and apparent viscosity.
- g) What is Resistance to water penetration? Explain the process of testing of water proofing.
- h) Differentiate between Thermo chromic Fabric and Temperature Adaptable Fabric.

SECTION-C

Attempt any two parts of the following: (15x2=30)

- 3 Discuss the process of estimation of GSM of coating.
- 4 Discuss rheological behavior of compound of different materials.
- 5 Write short notes on any two of the following:
 - a) Impermeable coating.
 - b) Camouflage nets.
 - c) Radiation cured coating.

