

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)**
- Polymeric material
 - Acrylic polymer
 - Coating
 - Calendaring
 - Rheology
 - Fabric
 - Clothing comfort
 - Breathable fabric
 - Abrasion resistance
 - Low temperature impact test

SECTION-B

- 2 Attempt any five parts of the following: (10x5=50)**
- What is the concept of curing? Explain the method of curing of rubber coating.
 - Discuss any one screen printing method for coating.
 - Explain the roller coating process with the help of examples.
 - Discuss "Knife as a Coating Head".
 - Establish the relation between thickness of coating to distance between fabric and knife.
 - Explain Platisols and apparent viscosity.
 - What is Resistance to water penetration? Explain the process of testing of water proofing.
 - Differentiate between Thermo chromic Fabric and Temperature Adaptable Fabric.

SECTION-C

- Attempt any two parts of the following: (15x2=30)**
- Discuss the process of estimation of GSM of coating.
 - Discuss rheological behavior of compound of different materials.
 - Write short notes on any two of the following:
 - Impermeable coating.
 - Camouflage nets.
 - Radiation cured coating.