

B.TECH. DEGREE EXAMINATIONS: APRIL / MAY 2010

Sixth Semester

TEXTILE TECHNOLOGY

U07TT601: Computer Applications in Textiles

Time: Three Hours

Maximum Marks: 100

Answer ALL the Questions:-

PART A (10 x 1 = 10 Marks)

1. _____ is a programmable electronically controlled bale opener
a) Beld-o-mat b) Mixing bale opener c) Mono-cylinder d) step cleaner
2. A system for the preparation and processing of new and recycled fibers by means of electronic weighing has been developed by -----
a) Mannesman b) Noworoll c) Rummyantser d) blamire
3. The crosrol-varga is a ----- based on a hydraulic mechanism system of closed – loop control
a) Long-term autoleveller b) short-term autoleveller
c) Medium-term autoleveller d) Stop motion
4. Warp –moisture –regulation controls by means of _____
a) Conductometric techniques b) Mechanical control
c) Electrical control d) chemical means
5. A very particular detection system for fabric defects uses _____
a) Laser rays b) Image processing c) ANN d) Photo
6. The M.19.000 quality control station automatic measurement of the _____ and _____ of continuous filament yarns
a) Linear density & moisture content b) diameter & fineness
c) Density and diameter d) length and fineness
7. The Uster Tex alarm is a warning installation that is placed in the _____
a) Last draw frame b) Card c) blowroom d) ring frame
8. Short-term autolevelling regularity drafting system at the _____ of the machine.
a) Start b) Exit c) draft zone d) roller
9. MIS stands for _____
a) Management information system b) M/c information system

b) Explain the principle of operation of ring data & ring –I systems with a neat sketches

24. a) Write short notes on Computer aided weaving and garment designing.

(OR)

b) Write short notes on computerized yarn clearing on winding machine and Loom-I and Mill-I systems.

25. a) Explain AFIS with a neat line diagram.

(OR)

b) Describe the ANN and Image processing with reference to textile industry.
