

C 3409

B.E./B.Tech. DEGREE EXAMINATION, MAY/JUNE 2007.

Sixth Semester

Textile Technology

TT 1005 — TECHNICAL TEXTILES

(Regulation 2004)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. What are the monomers used for aramid fibers?
2. What are the requirements of fibres to be used in agricultural engineering?
3. What do you mean by prepreg?
4. What are fabrics used for filtration?
5. What are the essential properties of geo-textiles?
6. What do you mean by extra-corporeal devices?
7. Define TIV.
8. What do you mean by walen proof breathable textile?
9. Why is Nylon used as tyre cord?
10. What are requirements of fibres used as hoses?

PART B — (5 × 16 = 80 marks)

11. (a) Enumerate in detail the fibres used and their properties for construction industry.

Or

- (b) Bring a brief note on combustion resistant organic fibres.

12. (a) Enumerate in detail about the properties of various reinforcement material in composites.

Or

- (b) Enumerate in detail the production and properties of filter fabric.
13. (a) Bring a detailed note on textiles used for medical application.

Or

- (b) Bring a detailed note on testing of geotextiles.
14. (a) Explain in detail about textiles used for chemical and biological warfare protection.

Or

- (b) Enumerate in detail how water proof breathable fabrics are tested.
15. (a) Write short notes on :
- (i) Marine applications of textiles
 - (ii) Textiles in transpiration.

Or

- (b) Write short notes on :
- (i) Construction of tyre cords
 - (ii) Belts.
-