

Q 9362

B.Sc. DEGREE EXAMINATION, MAY/JUNE 2006.

Fifth Semester

Apparel and Fashion Technology

BFT 351 — WORK STUDY

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. Define the productivity indices pertaining to man, machine and material.
2. What is the importance of productivity on standard of living?
3. Suggest suitable levels of illumination and noise control for good working environment.
4. Why work study is considered as a valuable tool of management?
5. Define motion economy.
6. Define the right technique to be used in the study of team work.
7. Define the technique used in the study of micro motion.
8. How sample size could be determined using nomogram?
9. Differentiate between standard rating and standard performance.
10. Differentiate between the different systems of garment production.

PART B — (5 × 16 = 80 marks)

11. Explain how method study and motion study could be carried out in garment manufacturing process and sewing activity respectively.

12. (a) Explain how the manufacturing time is made up and discuss the various factors affecting productivity.

Or

- (b) Discuss the various management techniques that are used for maximising the productivity.

13. (a) Explain the procedure for conducting work study in an apparel unit.

Or

- (b) Discuss the various factors affecting working condition and environment.

14. (a) Discuss the various factors to be considered in developing plant layout. Present a suitable layout for a garment unit.

Or

- (b) Explain the method study techniques meant for optimising the movement of men and material in a factory.

15. (a) Explain the technique based on probability in work sampling and enumerate its advantages.

Or

- (b) Define PMTS and explain the procedure of establishing standard time by time study.