

Model Question for University Examination
University of Kerala

Sub:13.503 WORK STUDY AND ERGONOMICS (N)

Time allowed: Three hours

Maximum: 100 Marks

PART A

(Answer all the questions; Each question carry 8 marks)

1. Define productivity.
2. Explain objectives of work study.
3. What is therbligs ?
4. Define work measurement.
5. What is performance rating?
6. Define ergonomics.
7. What is human machine system?
8. What are stress and fatigue?
9. What is mean by applied physiology in work place ?
10. What is control-response ratio ?

PART B

(Answer any one question from each module; Each question carry 20 marks.)

Module-I

11. Explain steps in conducting method study.
12. Explain the procedure for making flow process chart.

Module-II

13. Define objectives and concepts of work measurement.

CONTINUED

14. i) Explain work sampling, ii) What is work factor system.

Module-III

15. Explain the principles of motion economy.
16. Explain the features design standing workers, seated workers.

Module-IV

17. Notes on the following. a) Fatigue allowance, b) Heat stress, c) Learning curves, d) Industrial noise
18. Describe the principles for design of visual and auditory displays.
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