

Roll No

ME-701(D) (GS)**B.E. VII Semester**

Examination, December 2017

Grading System (GS)**Work Study and Ergonomics***Time : Three Hours**Maximum Marks : 70*

- Note:** i) Attempt any five questions.
ii) All questions carry equal marks.

1. a) Discuss the significance of motion economy for the method study practitioner.
b) What is micro motion study? What are its advantages?
2. a) What is man-machine chart? Explain with an example.
b) Discuss the practice of critical examination in work study.
3. a) What is time study? State its objectives.
b) What is standardisation? Explain.
4. What is work sampling? Discuss the advantages and disadvantages of work sampling.
5. What do you mean by incentives? List different types of incentives scheme and explain any one in detail.

6. a) Discuss the development of human factor engineering.
b) Discuss the factors important during work place design.
7. a) Write a note on design of machine from ergonomic point of view.
b) What is Anthropometric data and discuss its need?
8. Write short notes on any two:
 - a) Therblings
 - b) Ratings
 - c) Allowances
 - d) Graphic display
