

M.Tech.

METHODS ENGINEERING AND ERGONOMICS

SUBJECT CODE : IE - 505

Paper ID : [E0458]

[Note : Please fill subject code and paper ID on OMR]

Time : 03 Hours

Maximum Marks : 100

Instruction to Candidates:

- 1) Attempt any **Five** questions.
- 2) All questions carry equal marks.

- Q1)** Bring out the importance of productivity measures in any organization. Also in detail enumerate the different productivity enhancement tools used by the organizations in the present competitive scenario.
- Q2)** Bring out the factors affecting work measurement. Also highlight the merits and demerits of work measurement with examples.
- Q3)** What do meant by anthropometry? How anthropometry data base is useful, discuss its limitations.
- Q4)** What are the functional aspects of control; how they are classified into different categories, also discuss the disadvantages of different controls.
- Q5)** Discuss the factors on which vibration depends, types of vibrations, their effects and methods of reducing those vibrations.
- Q6)** What do you meant by posture? What are different posture evaluation tools explain in detail?
- Q7)** (a) Describe some of the common methods of wage incentive plans with suitable examples.
(b) Elaborate the different types of methods study principles and motion economy.
- Q8)** Write short note on the followings :
- (a) Effect of heat on body and work performance.
 - (b) History, development and scope of ergonomics.

