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Roll No

MMPD-203
M.E./M.Tech., II Semester
 Examination, December 2013
Ergonomics and Design

Time : Three Hours

Maximum Marks : 70

Note: 1. Answer any five questions. All questions carry equal marks.
 2. Illustrate your answers with neat sketches wherever required.

1. Compare the relative capabilities of a Human beings and machines.

OR

What are the various characteristics of Man machine systems?
 Enumerate the areas of applications of Ergonomics.

2. Explain the term Information theory. What are the various factors affecting information reception and processing.

OR

What do you mean by the term coding? How the selection of sensory inputs is made.

3. What do you mean by Symbolic Codes? Explain the terms Pictorial and Graphic Displays.

OR

What is an Indicator? What are Visual Indicators and Warning Signals? Explain in detail.

4. Explain in detail Energy Expenditure in physical activities by a human being. Also explain human input and output channels.

OR

What do you mean by Tracking Operations? Design of controls, Give specific control recommendations.

5. What do you mean by Industrial Safety? Explain in detail.

OR

How analysis of cost of accidents is done, Describe with the help of an example.
