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Total No. of Questions : 8}

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Roll No

MMPD-203
M.E./M.Tech., II Semester
 Examination, June 2017
Ergonomics and Design

Time : Three Hours

Maximum Marks : 70

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

1. Explain with the suitable examples the ergonomics and its use in a plant with importance?
2. Explain the relative capabilities of human beings and machines? write down in steps.
3. Explain with the suitable example human sensory process of vision and hearing?
4. Discuss in the role of Cutaneous, Kinesthetics and orientation senses with suitable examples.
5. Explain the selection of auditory and textual display? Write down the steps and general principles.
6. What are the types, uses and limitations of different visual display?
7. Discuss the different types of energy expenditure in physical activities? Write down the steps in detail.

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8. Write short notes on any four of the following
 - a) What are the characteristics of man machine systems?
 - b) Explain coding and selection of sensory input.
 - c) What do you mean by visual indicators, explain with example?
 - d) Discuss the role of human control of systems with examples.
 - e) Explain the meaning of environmental stresses with examples.
 - f) Explain the importance and need of Environmental safety.

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