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Roll No

MMPD-203

M.E./M.Tech., II Semester

Examination, December 2014

Ergonomics and Design

Time : Three Hours

Maximum Marks : 70

Note : Answer any five questions. All questions carry equal marks.

1. How to optimize the man machine system? Explain with the suitable example.
2. a) What are the various human sensory processes and how they work in the ergonomics?
b) List the factors affecting information reception and processing.
3. a) Explain various type of visual display with suitable example. **rgpvonline.com**
b) Characterize the auditory display.
4. a) What is a bio-mechanism of motion?
b) How energy expenditure is calculated?

5. a) What are the various factors for the industrial safety?
b) Write about Government legislation about occupational safety.
6. a) List the details for environmental stresses and their impacts on human work.
b) How a work place is designed?
7. a) Explain merits and demerits Alphanumeric display.
b) Write review of history of development.
8. Write short notes (any three):
 - a) Warning signals
 - b) Tracking operation
 - c) Plant safety
 - d) Physiological function

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