

Question Paper Code : 91518

B.E./B.Tech. DEGREE EXAMINATION, NOVEMBER/DECEMBER 2014.

Second Semester

Civil Engineering

GE 2151/EE 26/EE 1153/080280011/10133 EE 206 — BASIC ELECTRICAL AND ELECTRONICS ENGINEERING

(Common to Aeronautical, Automobile, Marine, Mechanical, Production, Chemical, Petroleum Engineering, Biotechnology, Polymer, Textile, Textile (Fashion), Plastic Technology, Environmental Engineering, Geoinformatics Engineering, Industrial Engineering, Industrial Engineering and Management, Manufacturing Engineering, Material Science and Engineering, Mechanical and Automation Engineering, Mechatronics Engineering, Petrochemical Engineering, Chemical and Electrochemical Engineering, Petrochemical Technology, Pharmaceutical Technology and Textile Chemistry)

(Regulation 2008/2010)

(Common to 10133 EE 206 – Basic Electrical and Electronics Engineering for B.E. (Part-Time) First Semester – Mechanical Engineering – Regulation 2010)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — ($10 \times 2 = 20$ marks)

1. When a resistor is placed across a 415 V supply, the current is 36 A. What is the value of the resistor that must be placed in parallel to increase the load to 40A?
2. State KVL.
3. Write any four applications of D.C. motor.
4. State why single-phase induction motor is not self-starting?
5. Explain cut-off region and saturation region?
6. Define operating point.

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Terry C. Jones



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