

Level: Bachelor
Programme: BE
Course: Basic Electrical Engineering

Semester: Fall

Year : 2013
Full Marks: 100
Pass Marks: 45
Time : 3hrs.

Candidates are required to give their answers in their own words as far as practicable.

The figures in the margin indicate full marks.

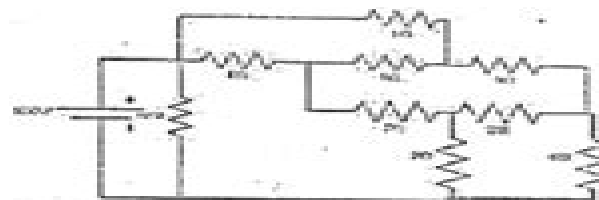
Attempt all the questions.

1. a) Explain in brief about generation, transmission and distribution of electrical power.

OR

Explain the construction and operation of single phase energy meter.

- b) Define active and passive elements. Find the equivalent resistance of the given network seen from the source.



2. a) By using Supermesh concept calculate voltage across 2Ω resistor of the circuit shown below.



- b) State Thevenin's theorem and use it to calculate power consumed by 3Ω resistor for the circuit shown below.

Basic Electrical Technology Question Papers

Arturo Cuomo



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CBSE Class 12 - Electrical Technology Question Bank Mocktime Publication,101-01-01 CBSE 12 Question Bank
Electrical Technology **Electrical Technology** Harry Cotton,1924 **Proceedings of the American Institute of Electrical Engineers** ,1920 **Transmission, distribution and utilization in S.I. system of units** B. L. Theraja,2005
Journal of the American Institute of Electrical Engineers American Institute of Electrical Engineers,1920 Includes preprints of Transactions of the American Institute of Electrical Engineers ISSN 0096 3860 *Parliamentary Papers* Great Britain. Parliament. House of Commons,1911 **Basic Electricity for Industry** Théodore Wildi,1985 A basic introduction to the fundamental laws of electricity and electromagnetism illustrating how they are applied practically in machines and devices The book covers the entire range of basic theory circuits machines and electric utility systems and requires no prior knowledge of electricity It emphasizes the rate of change of voltage and current in its broad coverage of generation transmission and distribution of electrical energy **The Electrical Journal** ,1921 Appendix to Second Report ... Great Britain. Royal Commission on University Education in London,1911 **The Electrical Review** ,1925 Final Report of the Commissioners Great Britain. Royal Commission on University Education in London,1913 The Development of Electrical Technology in the 19th Century United States National Museum,1962 *Western Electrician* ,1902 **English Mechanic and Mirror of Science and Art** ,1925 Electric Power ,1894 The Journal of Education ,1907 *Electric Technology U.S.S.R.* ,1989 The Electrician ,1890 **Telegraphic Journal and Monthly Illustrated Review of Electrical Science** ,1923 *Science and Art of Mining* ,1924

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