M. TECH.-I (ELECTRICAL -POWER SYSTEM) (CBCS – 2015 COURSE) : SUMMER - 2018

SUBJECT : RESEARCH METHODOLOGY

Day :	**Monday**	**S-2018-2986**	Time : **11.00 AM TO 02.00 PM**
Date :	**28/05/2018**		Max. Marks : 60

N. B. :

1) All questions are **COMPULSORY**.
2) Figures to the right indicate **FULL** marks.
3) Assume suitable data, if necessary.

Q. 1 What are the different steps involved in a research process. **(10)**

OR

Distinguish between Research methods and research methodology. **(10)**

Q. 2 What are the different techniques of defining a research problem? **(10)**

OR

Write short notes on: **(10)**

a) Experience survey

b) Pilot survey

Q. 3 Describe some of the important research designs used in experimental hypothesis- testing research study. **(10)**

OR

What is Research design? Discuss the basis of stratification to be employed in sampling public opinion on inflation. **(10)**

Q. 4 Distinguish between: **(10)**

a) Field editing and Central editing

b) Statistics of attributes and statistics of variables

OR

'Discriminate use of average is very essential for sound statistical analysis'. Justify along with examples. **(10)**

Q. 5 Write a brief note on 'task of interpretation' in context of research methodology. **(10)**

OR

Describe the precautions to be taken by a researcher while interpreting his/her findings. **(10)**

Q. 6 What is Plagiarism in Research? Explain along with examples. **(10)**

OR

Explain the International Patent laws of India. How these laws are twisted? **(10)**

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