

**M. TECH.-II (INFORMATION TECHNOLOGY) (CBCS –
2015 COURSE) : WINTER - 2017**

SUBJECT: RESEARCH FOUNDATION

Day: **Monday**
Date: **27/11/2017**

W-2017-2812

Time: **11.00 AM TO 02.00 PM**
Max Marks. 60

N.B.

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Both the sections should be written in the **SEPARATE** answer books.
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SECTION – I

Q.1 Define research and motivation of research in detail. **(10)**

OR

What is 'Scientific method' in research? Explain briefly. **(10)**

Q.2 Define main issues which should receive the attention of the researcher in formulating the research problem. **(10)**

OR

Draw and describe different stages of research process. **(10)**

Q.3 Explain briefly the 'Experimental Design'. **(10)**

OR

What are the different types of design in research? **(10)**

SECTION - II

Q.4 What do you mean by 'Novelty' of a research work? **(10)**

OR

What are the roles of 'Supervisor' and 'Researcher'? **(10)**

Q.5 Why the 'Result and Data analysis' parts are required in a research paper? **(10)**

OR

How will you defend your research work? **(10)**

Q.6 How to calculate 'Geometric mean'? Explain with example. **(10)**

OR

How to calculate 'Harmonic mean'? Explain with example. **(10)**