

**MASTER OF TECHNOLOGY (INFORMATION TECHNOLOGY) (CBCS - 2015
COURSE)**

M. Tech. (Information Technology) Sem-II :SUMMER- 2022

SUBJECT : RESEARCH FOUNDATION

Day : Tuesday

Time : 10:00 AM-01:00 PM

Date : 26-07-2022

S-14223-2022

Max. Marks : 60

N.B.

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the **RIGHT** indicate **FULL** marks.
 - 3) Assume suitable data if **NECESSARY**.
 - 4) Answers to both the sections should be written in separate answerbook.
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SECTION – I

Q.1 What is research? Explain its significance in modern times in details. **(10)**

OR

Describe in detail the different steps involved in a research process.

Q.2 What are the various techniques involved in defining a problem? Explain. **(10)**

OR

What is the role of research criteria in the problem selection and problem definition? Explain.

Q.3 What are the different approaches used in research design? Explain in detail. **(10)**

OR

Explain the characteristics of research design in detail.

SECTION – II

Q.4 What is the role of subject expert and research scholar in the research process? **(10)**
Explain.

OR

How time management is important in the process of research? Explain in detail.

Q.5 What are the various approaches of performing result analysis in research work? **(10)**
Explain.

OR

Write a detailed note on Research Methodology.

Q.6 What are the different types of errors? How they are classified? Explain. **(10)**

OR

Explain the characteristic features of LaTeX in detail.

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