

**Pre. Ph.D. Course Work (2017 Course) : (Common For Medical
Microbiology /Community Medicine/ Audiology/ Medical Biochemistry)
: SUMMER - 2019**

**SUBJECT:-PAPER-I RESEARCH METHODOLOGY/MEDICAL MICROBIOLOGY/
COMMUNITY MEDICINE/AUDIOLOGY/MEDICAL BIOCHEMISTRY**

Day: Monday
Date: 22/04/2019

S-2019-5302

Time: 10.00 AM TO 1.00 PM
Max. Marks: 100

N.B.

- 1) Attempt **ANY FIVE** questions from section – I and **ANY FIVE** questions from section – II
- 2) Figures to the right indicate **FULL** marks.

SECTION-I

- Q.1** How decision making is influenced by Research methodology? Comment (10)
on Fundamental and Applied Research.
- Q.2** What are the characteristics of good research problem? What is the (10)
significance hypothesis in the research work?
- Q.3** What are the various research designs used in medical science? Explain with (10)
examples.
- Q.4** How various data collection methods used in medical science research (10)
affects the type of research?
- Q.5** What are statistical used for data analysis and hypothesis testing? How it is (10)
important in data analysis and interpretation
- Q.6** Attempt **ANY TWO** short notes:
- a) Sampling Methods (05)
 - b) Measurements of scale (05)
 - c) Testing Tools (05)

SECTION-II

- Q.7** What is review of literature in research? How it acts as milestone for (10)
research work explain the ways and means of review of literature.
- Q.8** What are components of thesis/dissertation Report? Comment (10)
- Q.9** What ICT tools are available for data analysis? Comment on its merits and (10)
demerits.
- Q.10** What are the ways for sustaining publication ethics? Comment. (10)
- Q.11** Explain the guidelines for research in medicine. Comment on its execution.
- Q.12** Attempt **ANY TWO** short notes:
- a) Ethical principal in Medical research (05)
 - b) Characteristics of good journals (05)
 - c) Research proposal and its structure (05)

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