

PRE Ph.D. EXAMINATION – OCTOBER 2021

Time: 3 Hours

Max. Marks: 100

PAPER – I

RESEARCH METHODOLOGY

Q.P. Code: 7001

Answers should be specific to the Questions asked.

Draw neat, labeled diagrams wherever necessary.

All questions are compulsory.

Question Number

Marks

LONG ESSAY QUESTIONS:

2 X 20 = 40

1. Describe different types of analytical study designs.
2. Describe the process of obtaining an informed consent for a research project.

SHORT ESSAY QUESTIONS:

6 X 10 = 60

3. Write a note on reporting of adverse events in clinical trials.
4. Discuss the methodology of critical appraisal of scientific research articles.
5. Discuss different national agencies which support research in health sciences.
6. Write the salient features of national rural health mission.
7. Discuss how the CGPA is calculated in NAAC Accreditation.
8. Write a note on the prescribed format for thesis writing.

PRE Ph.D. EXAMINATION – OCTOBER 2021

Time: 2 Hours

Max. Marks: 50

**PAPER – III
BIOSTATISTICS**

Q.P. Code: 7003

Answers should be specific to the Questions asked.
Draw neat, labeled diagrams wherever necessary.
All questions are compulsory.

Question Number

Marks

LONG ESSAY QUESTIONS:

2 X 10 = 20

1. Define correlation coefficient. Explain various methods of studying correlation coefficient.
2. Describe random sampling procedures along with their advantages and disadvantages.

SHORT ESSAY QUESTIONS:

5 X 6 = 30

3. Describe types of variables and their methods of measurements with suitable examples.
4. Discuss the uses of computers in research including data cleaning with suitable example.
5. Describe standard deviation and coefficient of variation with applications.
6. Describe histogram and frequency curve, along with its utility in testing of hypothesis.
7. Explain paired t-test with suitable example.
