

PRE Ph.D. EXAMINATION – NOVEMBER 2020

Time: 3 Hours

Max. Marks: 100

PAPER – I
RESEARCH AND 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 the national health policy under the following headlines:
Goals, objectives, health status and programme impact.
2. Describe the phases of clinical trials.

SHORT ESSAY QUESTIONS:

6 X 10 = 60

3. Discuss the procedure of selecting subjects for clinical research.
4. Write a note on composition and responsibilities of institutional animal ethics committee.
5. Write the salient features of national population policy.
6. Write a note on Nuremberg code of research ethics.
7. Describe the types of research hypothesis.
8. Write a note on herbal remedies.

PRE Ph.D. EXAMINATION – NOVEMBER 2020

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. Explain the procedure of sample size estimation in cross sectional and experimental study.
2. Describe non-parametric tests of significance with suitable examples.

SHORT ESSAY QUESTIONS:

5 X 6 = 30

3. Explain simple linear Regression and its uses in research.
4. Differentiate between Karl Pearson's and Spearman's rank correlation coefficient.
5. Use of statistical softwares in research with examples.
6. Differentiate between descriptive statistics and inferential statistics with examples.
7. Explain Type I and Type II errors with suitable examples.
