

**PRE Ph.D. EXAMINATION – AUGUST 2020**

**Time: 3 Hours**

**Max. Marks: 100**

**PAPER – I**

**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. Discuss preventive measures to control non-communicable diseases.
2. Describe essential features of preclinical research in drug development.

**SHORT ESSAY QUESTIONS:**

**6 X 10 = 60**

3. Belmont report.
4. Composition and responsibilities of IRB.
5. Plagiarism-causes and consequences.
6. National health policy.
7. Critical appraisal of research publication.
8. Purpose and design of phase-II clinical trial.

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**PRE Ph.D. EXAMINATION – AUGUST 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.

<b>Question Number</b>	<b>Marks</b>
<b>LONG ESSAY QUESTIONS:</b>	<b>2 X 10 = 20</b>
1. Describe of vital statistics and its measures in reference of Indian states.	(4+3+3)
2. Write an essay on parametric and non-parametric tests with suitable examples.	(5+5)
<b>SHORT ESSAY QUESTIONS:</b>	<b>5 X 6 = 30</b>
3. Describe null and alternative hypothesis along with research hypothesis.	(2+2+2)
4. Write notes on standard deviation and standard error with example.	(3+3)
5. Simple random sampling along with merits and demerits.	(3+3)
6. Binomial distribution along with its utility.	(4+2)
7. Wilcoxon rank test with suitable example.	(3+3)

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