

PRE-PH.D COURSE WORK EXAMINATION

[Time :1 ½ Hours]

[Max.Marks : 50]

Paper – I : RESEARCH METHODOLOGY
(Compulsory / Core Paper)

QP CODE : 6007

I. Answer the following

5x2=10 marks

1. What is prevalence?
2. What is conflict of interest?
3. What is Informed consent?
4. What is population in research?
5. Define observation.

II. Answer ANY FOUR of the following

4x5=20 marks

6. Testing of Hypothesis.
7. Organization of research report.
8. Explain differences between questionnaire and schedule
9. Role of referee in scientific publication.
10. Impact of Internet revolution on Biomedical Research.

III. Answer ANY TWO of the following

2x10=20 marks

11. What are the types of data? How do you present data? Add a note on impact of computer on data analysis.
12. Define sample. Explain briefly various probability and non probability methods of sampling with suitable examples.
13. Discuss in brief Fraud in medical research and measure to prevent it.

May - 2014

BLDE UNIVERSITY

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I Answer the following

5X2=10 marks

1. ANOVA
2. Define 'false negative' and 'false positive' results of a diagnostic test.
3. Meta-analysis.
4. Chi-square test.
5. Plagiarism.

II Answer ANY FOUR of the following

4X5=20 marks

6. Define research hypothesis.
7. What are the advantages of a multicentre trial?
8. Define 'incidence' and 'prevalence'.
9. Blinding
10. Cross-over study design

III Answer ANY TWO of the following

2X10=20 marks

11. Discuss the advantages and disadvantages of a cohort study.
12. Describe various types of clinical trials in brief.
13. Describe various commonly used graphical representations of data with examples.