

Library
March - 2023



BLDE (DEEMED TO BE UNIVERSITY)

Pre – Ph.D. Course Work Examination

[Time: 1 ½ Hours]

[Max Marks: 50]

Paper I: RESEARCH METHODOLOGY

QP CODE – 6007

I. Answer ANY TWO of the following **2 x 10 = 20 Marks**

1. Define central tendency, describe various measures of central tendency and variability within data.
2. What do you mean by sample design? Describe the different steps in sample design. Add a note on essential of good sampling.
3. Define IEC. Describe Composition and functions of IEC.

II. Answer ANY FOUR of the following **4 x 5 = 20 Marks**

4. What is research problem? Explain the need for defining a research problem.
5. What is data processing? Define various problems of data processing.
6. Foot notes and Bibliography.
7. CPCSEA Guidelines for animal experimentation.
8. ANOVA

III. Answer the following **5 x 2 = 10 Marks**

9. What is control in research?
10. What is questionnaire?
11. What is guest author?
12. What is probability in research?
13. Give two limitations of Interview

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Paper II: BACKGROUND PAPER (OBYG)

QP CODE – 6005

I. Answer ANY TWO of the following **2 x 10 = 20 Marks**

1. Describe the Pathophysiology of HDP?
2. How will you classify Hypertension during Pregnancy and manage
3. Describe the role of Ultrasonography in HDP for Foetal and Maternal management

II. Answer ANY FOUR of the following **4 x 5 = 20 Marks**

4. Describe Predictors of HDP?
5. Describe causes of HDP?
6. Describe Signs and Symptoms of HDP?
7. Gestational Hypertension.
8. What are the Foetal and Maternal complications

III. Answer the following **5 x 2 = 10 Marks**

9. Define Hypertension during pregnancy (HDP)?
10. What are the placental changes?
11. What is Roll over test?
12. HDP investigation profile.
13. What are the Renal complication sign HDP

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Paper II: BACKGROUND PAPER (Forensic Science)

QP CODE - 6003

I. Answer ANY TWO of the following 2 x 10 = 20 Marks

1. Describe in detail about post mortem diagnosis of early myocardial infarction
2. Describe in detail how to estimate infarct age in forensic autopsy material.
3. Describe sudden natural deaths in medico -legal autopsies with special reference to cardiac causes

II. Answer ANY FOUR of the following 4 x 5 = 20 Marks

4. Write note on American Heart Association (AHA) classification of MI published in 2018
5. Write note on causes of MI without athero-thrombotic coronary disease
6. Write note on Takotsubo syndrome
7. Write note on assessment of coronary artery stenosis.
8. Write note on Iatrogenic pathology of coronary arteries

III. Answer the following 5 x 2 = 10 Marks

9. Enlist risk factors of coronary heart disease
10. What is Microvascular dysfunction (MVD)
11. Enlist complications of myocardial infarction.
12. What is difference between STEMI and NSTEMI
13. Enlist causes of false positive Nitro blue tetrazolium staining

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Paper III: COMPULSORY/ CORE PAPER (RESEARCH AND PUBLICATION ETHICS)

QP CODE - 6009

I Answer the following

5 x 2 = 10 Marks

1. What is intellectual honesty?
2. What do you mean by research ethics?
3. What are the functions of Institutional Animal Ethics Committee (IAEC)?
4. What is ICMJE?
5. What is Scopus?

II Answer ANY FOUR of the following

4 x 5 = 20 Marks

6. Research integrity
7. COPE
8. H-index
9. What do you mean by predatory journals and publishers?
10. Open access publications

III Answer ANY TWO of the following

2 x 10 = 20 Marks

11. Impact factor (IF) and its significance. Name three Indian journals with IF.
12. What is h-index? Write briefly about h-index of author, institution and journal.
13. Plagiarism and its detecting software.