

**NATIONAL INSTITUTE OF PUBLIC HEALTH TRAINING AND RESEARCH, MUMBAI**  
**Post Graduate Diploma in Hospital Management (PGDHM) Batch: 2023-24**  
**First Semester Examination – Mock Examination**

**PAPER–I**

**BASIC HEALTH SCIENCES & EPIDEMIOLOGY**

Date: 31/10/2023

Total Marks: 100

Time: 02:00 PM to 05:00 PM (03 Hours)

Credit: 5.0

**Section: A) Basic Health Sciences**

**Credit: 2.0 / Marks: 40**

**Q: 1) Descriptive Question (Attempt any one) 10 Marks**

- a) Define Sterilization and Disinfection. Describe any three commonly used methods of Sterilization in a hospital setting.
- b) What is Reproduction? Draw a neat labeled diagram of the female reproductive system. Describe the function of the uterus and its appendages.

**Q: 2) Write in Brief (Attempt any three) 15 Marks**

- a) Thyroid function tests
- b) Endometrial changes during menstrual cycle
- c) Heart sounds
- d) Functions of Hypothalamus
- e) White Blood Cells

**Q: 3) Short Notes (Attempt any three) 15 Marks**

- a) Role of Oxytocin in female reproduction
- b) Draw a normal ECG and label their component
- c) Draw and label the parts of the Nephron and its function
- d) Functions of Liver
- e) Glomerular Filtration Rate (GFR)

**Section: B) Epidemiology**

**Credit: 3.0 / Marks: 60**

**Q: 1) Descriptive Question (Attempt any three) 30 Marks**

- a) Define Epidemiology. Describe the time, place, and person distribution of the disease
- b) Describe the epidemiology and prevention of Accidents
- c) Define endemic, epidemic/ outbreak, Pandemic. Describe in detail about roles and responsibilities of hospitals in an epidemic outbreak
- d) Define occupational health hazards and describe methods of its prevention
- e) Describe the epidemiology and prevention of HIV/AIDS disease and discuss about recent therapeutic regimens of HIV/AIDS.

**Q: 2) Write in Brief (Attempt any three) 15 Marks**

- a) Randomized Control Trial
- b) Prevention and control of Diphtheria
- c) Environmental Factors in Cancer Causation
- d) Types of Surveillance
- e) Malaria Surveillance

**Q: 3) Short Notes (Attempt any three) 15 Marks**

- a) Screening for breast cancer and cervical cancer
- b) Primordial prevention
- c) Investigation of an Epidemic
- d) Uses of Epidemiology
- e) AEFI

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