

**NATIONAL INSTITUTE OF PUBLIC HEALTH TRAINING AND RESEARCH, MUMBAI**  
**Post Graduate Diploma in Hospital Management (PGDHM) Batch: 2024-25**  
**First Semester Examination**

**PAPER-I**

**BASIC HEALTH SCIENCES & EPIDEMIOLOGY**

Date: 11/10/2024

Total Marks: 100

Time: 2:00 PM to 5:00 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) What are narcotic drugs? Write in detail about drug abuse and its prevention.
- b) Describe in detail the Digestive System of human body with appropriate diagram.

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

- a) Differentiate between Sterilization and Disinfection
- b) Hemodialysis
- c) Nosocomial infections and its prevention
- d) Routes of drug administration
- e) What are the various measurements done in Pulmonary Function Tests?

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

- a) Functions of Adrenal Gland
- b) CT-Scan and its uses
- c) What is Immunity? Describe acquired Immunity in brief.
- d) Infection Control Committee
- e) Universal Immunization Schedule

## Section: B) Epidemiology

Credit: 3.0 / Marks: 60

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

- a) Describe the various risk factors for Cardio Vascular Diseases. Describe in details about prevention and care for Hypertension.
- b) Define occupational health hazards & describe methods of its prevention.
- c) Name the various vector borne diseases. Discuss the epidemiology of Malaria.
- d) Describe the different direct modes of disease transmission.
- e) Define endemic, epidemic/ outbreak, Pandemic. Describe in detail about roles and responsibilities of hospitals in an epidemic/ outbreak.

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

- a) Uses of Epidemiology
- b) Types of Surveillance
- c) What are the common causes and management of abdominal pain?
- d) Enumerate risk factors for Cancer. Describe the role of hospitals in palliative care in Cancer.
- e) What are the effects of air pollution?

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

- a) Incubation Period
- b) Benefits under ESIS Act
- c) Risk factors of Road Traffic Accidents
- d) Hazards due to Radiation
- e) DOTS

-----X-X-X-----