

COMMUNITY HEALTH, DEMOGRAPHY AND
BIostatISTICS

Time : Three hours

Maximum : 100 marks

PART A — (10 × 4 = 40 marks)

Answer ALL questions.

1. Define Random sampling.
2. Write the importance of Intra Uterine Devices.
3. Define correlation coefficient.
4. Define community diagnosis.
5. Define Regression.
6. Define Growth rate.
7. What is Bio-statistics?
8. Define health and community health.
9. Define the concept of family planning.
10. Define STD.

PART B — (4 × 15 = 60 marks)

Answer any FOUR questions.

11. Give an account on collection and analysis of biological data. Explain the following statistical techniques used currently in biological research.
 - (a) Standard
 - (b) Annova
 - (c) Chi-square test.
12. What are the standard forms for vital events in registration?
13. Explain the Dito's global strategy of family planning.
14. Explain the methods of controlling infectious diseases.
15. What are the three methods of calculation of mid-year population?
16. Write detail about the investigation of any outbreak of infection in the hospital.

17. Explain the various sources for collection of Demographic data.
 18. Write an essay on indicators of health.
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HUMAN ANATOMY, PHYSIOLOGY AND MEDICAL
TERMINOLOGY

Time : Three hours

Maximum : 100 marks

SECTION A — (10 × 4 = 40 marks)

Answer ALL questions.

1. Write a note on composition and functions of bile.
2. Describe the structure of cerebellum.
3. Give a brief account on the epidemiology of Chicken pox.
4. Write a note on pace maker.
5. Discuss the various zones in CSSD department.
6. Write about clinical manifestations of HIV infections.
7. Explain the principle of fluorescent microscope and its application in diagnosis of diseases.
8. State the various sources of drugs.
9. How are the basic tools sterilised in hospitals?
10. How infection control committee is framed?

SECTION B — (4 × 15 = 60 marks)

Answer any FOUR questions.

11. Give a detailed account on the human urinary system.
12. Describe the structure and functions of human ear.
13. Explain the basic equipments used in the hospital to have effective treatment procedures.
14. As an administrator, what will you do to control nosocomial infections?
15. Discuss in detail the various types of laboratories used for identification of diseases.
16. Classify communicable diseases and describe the methods of prevention of communicable diseases.
17. Write a brief note on :
 - (a) Cataract
 - (b) Myopia
 - (c) Arrhythmias.
18. Write short notes on :
 - (a) Mammography
 - (b) Ultra sound
 - (c) EEG involving the purpose and uses.

PATIENT CARE, SATISFACTION AND QUALITY
ASSURANCE

Time : Three hours

Maximum : 100 marks

PART A — (10 × 4 = 40 marks)

Answer ALL questions.

1. Differentiate a general hospital from a specialty service hospital.
2. State the duties of various staff in the ward management.
3. What are the emergency equipments to be maintained in an operation theater?
4. How does ambulance service function as a life saving one?
5. List out any 4 fundamental equipments required in a clinical laboratory.
6. Write short notes on CT scan.
7. 'Hospitals are the sources of infection' — Discuss.