

COMMUNITY HEALTH, DEMOGRAPHY
AND BIO-STATISTICS

Time : Three hours

Maximum : 100 marks

SECTION A — (10 × 4 = 40 marks)

Answer ALL questions.

1. What do you mean by sex ratio?
2. Explain the impact of population explosion on Health.
3. What are the various sources for collecting the Demographic data.
4. Discuss the various Dimension in Health Care.
5. What are the various principles in Epidemiology.
6. What is Sampling error?
7. What is Community Diagnosis?
8. Point out the purpose of Bio-statistics.
9. What is density?
10. Explain the various principles of edidemiology.

SECTION B — (4 × 15 = 60 marks)

Answer any FOUR questions.

11. Discuss the various sampling methods highlighting their practical implications?
12. Describe the various criteria for applying Z-test.
13. What are the basic steps in Bio-statistics?
14. Explain the concept of health and prevention in disease.
15. Write a short note on
 - (a) age pyramid
 - (b) sex ratio
 - (c) population density
 - (d) family size
 - (e) growth rate
16. Describe the various criteria in applying chi-square test.
17. Explain the importance of test of significance.
18. Define Health? And various dimension in Health and indicators it.

HUMAN ANATOMY, PHYSIOLOGY AND MEDICAL
TERMINOLOGY

Time : Three hours

Maximum : 100 marks

PART A — (10 × 4 = 40 marks)

Answer ALL questions.

1. Describe the transport of O₂.
2. Write short notes on :
 - (a) ECG
 - (b) Haemodynamics.
3. Give an account of protein digestion.
4. Explain the process of Blood coagulation.
5. Explain the effects of hypo and hyper functions of adrenal cortex.
6. What is an Rh factor?
7. Define "Haemocyanin".
8. Describe the structure of Neuron.

9. Classify the receptors with example.
10. List out any three common drugs and surgical items.

PART B — (4 × 15 = 60 marks)

Answer any FOUR questions.

11. How is CO₂ transported in Blood? Describe the chloride shift in data.
12. Describe the structure and functions of the urinary system.
13. Describe the digestive glands and their secretions of man.
14. Describe the structure and physiology of Heart.
15. Explain the regulations of heart by nerves.
16. Describe the various circulating media.
17. Review the entire menstrual cycle from the stand point of hormonal control and events in the ovary and uterus.
18. What is reflex arc? What are its components?

PATIENT CARE, SATISFACTION AND
QUALITY ASSURANCE

Time : Three hours

Maximum : 100 marks

PART A — (10 × 4 = 40 marks)

Answer ALL questions.

1. What is an Pre and Post operative ward?
2. Explain the Policies and Procedures of OT?
3. What are the objectives of Nursing Services?
4. Explain about the various types of ICU.
5. What are the equipments available in emergency department?
6. Explain the organisation and administration in ICU.
7. What are the various types of drugs in pharmacy department?

