

Government of India
National Institute of Public Health Training & Research, Mumbai

Sanitary Health Inspector (Batch VIII- 2024-25)
First Semester – Final Examination

Paper I - Concept of Public Health, Basic Health Sciences, Immunity & Biostatistics

Date: 03/12/2024

Time: 2.00 pm to 04.00 pm

Total Marks - 60

Section - A

Q. No. 1 Multiple Choice Questions (choose the correct option)

1 x 10 = 10

1. Scurvy, is caused due to the deficiencies of
 - a. vitamin A
 - b. vitamin B
 - c. Vitamin C
 - d. Vitamin E
2. Which of the following immunity is called the first line of defence?
 - a. Innate Immunity
 - b. Active immunity
 - c. Passive immunity
 - d. Acquired immunity
3. The Mode of following data is: 14, 11, 12, 13, 12, 12, 12
 - a. 13
 - b. 11
 - c. 12
 - d. 14
4. AmoxiciIIin, Doxycycline Azithromycin, and Penicillin are some examples of
 - a. Bacteria
 - b. Pathogens
 - c. Antibiotics
 - d. Vaccinations
5. Which of the following will reflect an increase in prevalence of the disease
 - a. Immigration of healthy persons
 - b. Increased cure rate of disease
 - c. Shorter duration of illness
 - d. Immigration of diseased persons
6. Flower colour is a
 - a. Quantitative variable
 - b. Qualitative variable
 - c. Absolute variables
 - d. Continuous variables
7. What is the primary goal of public health?
 - a. Individual well-being
 - b. Community
 - c. Economic prosperity
 - d. Political stability

8. Which of the following statements are false?
 - a. Pituitary Gland is found at the base of the brain
 - b. Adrenal glands are found on top of the kidneys
 - c. Lymph nodes are found only near the neck and armpits
 - d. Thyroid glands are ductless glands

9. Early diagnosis and prompt treatment of tuberculosis is an example of
 - a. Primary prevention
 - b. Secondary prevention
 - c. prevention
 - d. Rehabilitation

10. Which of the following is a vector-borne disease
 - a. Diabetes
 - b. Malaria
 - c. Hypertension
 - d. Asthma

Q. 2. Write Three Differences of each - (Attempt any Three)

3×3=9 marks

- a. Bacteria and Virus
- b. Primary Health Centre and District Hospital
- c. Small intestine & large intestine
- d. Artery and Vein
- e. Active Immunity & Passive Immunity

Q. 3. Write short notes - (Attempt any Four)

4×4=16 marks

- a. Cold chain maintenance
- b. Special characteristics of health communications
- c. Menstrual hygiene
- d. Infant mortality Rate
- e. Role and responsibilities of sanitary health inspector
- f. Systemic circulation

Section – B

Q. 4. Answer in one or two sentence. (Attempt any five)

2×5=10 marks

- a) Which bacteria is known as Koch's bacilli?
- b) What is VVM?
- c) Which are the Vaccines to be given at birth for a neonate?
- d) Define Maternal Mortality Rate (MMR)
- e) Enumerate the functions of liver
- f) What is the primary cause of air pollution in urban areas?
- g) What is the role of iodine in human nutrition?

Q. 5. Discuss - (Attempt any Three)

5×3=15 marks

- a. Discuss the applications of statistics in relation to public health
- b. Discuss the issues in Indian healthcare delivery system
- c. Discuss the ethics in health care system
- d. Principles of First Aid.
- e. Measures of Central Tendency and Dispersion
