

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

Sanitary Health Inspector (2023-24) (Batch VII)
First Semester – Final Examination

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

Date: 12/12/2023

Time: 2.00 pm to 4.00 pm

Total Marks - 60

Section A

Q.1. Multiple Choice Questions. (All Ten questions are compulsory). 1×10 = 10 marks

1. A Circle divided into sectors proportional to the frequency of items shown is called -
 - a) Bar chart
 - b) Pie chart
 - c) Histogram
 - d) Frequency polygon
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. Which intervention measure is best for prevention & control of dengue, Chikungunya & Zika?
 - a) Regular Insecticidal Fogging
 - b) Mosquito breeding source reduction
 - c) Indoor Residual Spray with DDT/Malathion/Synthetic Pyrethroids
 - d) Beating of Drums
4. National Nutrition week is observed every year from -
 - a) 1st to 7th April
 - b) 1st to 7th August
 - c) 1st to 7th September
 - d) 1st to 7th November
5. Night blindness and xerophthalmia are generally conditions associated with the deficiency of which vitamin?
 - a) Vitamin B
 - b) Vitamin K
 - c) Vitamin B2
 - d) Vitamin A
6. Which of the following organs is known as the “graveyard” of RBCs?
 - a) Spleen
 - b) Kidney
 - c) Liver
 - d) Gall bladder
7. The basic functional unit of a human kidney is known as -
 - a) Nephron
 - b) Pyramid
 - c) Henle’s loop nephron
 - d) Nephridia

8. Which of the is the vestigial bony part of the human selection?
 - a) Cranium
 - b) Coccyx
 - c) Cervical
 - d) Clavicle
9. Which of the following is not a measure of central tendency?
 - a) Mean
 - b) Median
 - c) Range
 - d) Mode
10. Flower colour is a -
 - a) Quantitative variable
 - b) Qualitative variable
 - c) Absolute variable
 - d) Continuous variable

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

3×3=9 marks

- a) Right ventricle and left ventricle
- b) Small intestine & large intestine
- c) Quarantine and Isolation
- d) Artery and vein
- e) Live attenuated vaccine and killed vaccine

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

4×4=16 marks

- a) Special characteristics of Health communication.
- b) Functions of Liver
- c) Menstrual hygiene
- d) Infant mortality Rate
- e) Cold chain maintenance
- f) Functions of micronutrients in body.

Section B

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

2×5=10 marks

- a) What is VVM?
- b) Which are the Vaccines to be given at birth for a neonate?
- c) For which disease Widal test is carried out?
- d) What is the Richest source of Vitamin A?
- e) Name 4 emerging diseases.
- f) Name the different measures of Central Tendency & Dispersion.
- g) Define Immunity and List its types.

Q. 5. Discuss - (Attempt any Three)

5×3=15 marks

- a) Role & Responsibility of Sanitary Inspector.
- b) Discuss the ethics in Health care system.
- c) Enumerate the National Immunization Schedule.
- d) Barriers of Communication & how to overcome them.
- e) Write in detail about Healthcare delivery system.