

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

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

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

Date: 04/12/2023

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) 1<sup>st</sup> to 7<sup>th</sup> April
  - b) 1<sup>st</sup> to 7<sup>th</sup> August
  - c) 1<sup>st</sup> to 7<sup>th</sup> September
  - d) 1<sup>st</sup> to 7<sup>th</sup> 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. Water disinfection is done by -
  - a) Chlorination
  - b) Boiling
  - c) Ultra Violet rays treatment
  - d) All of the above
7. Which of the following is not a measure of central tendency?
  - a) Mean
  - b) Median
  - c) Range
  - d) Mode

8. Which of the following organs is known as the “graveyard” of RBCs?
  - a) Spleen
  - b) Kidney
  - c) Liver
  - d) Gall bladder
9. The basic functional unit of a human kidney is known as -
  - a) Nephron
  - b) Pyramid
  - c) Henle’s loop nephron
  - d) Nephridia
10. Which of the is the vestigial bony part of the human selection?
  - a) Cranium
  - b) Coccyx
  - c) Cervical
  - d) Clavicle

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

**3×3=9 marks**

- a) Tape worm and round worm
- b) Small intestine & large intestine
- c) Quarantine and Isolation
- d) Live attenuated vaccine and killed vaccine

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

**4×4=16 marks**

- a) Functions of Liver
- b) Structure of bacteria cell
- c) Infant mortality Rate
- d) Universal precautions
- e) Cold chain maintenance

### **Section B**

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

**2×5=10 marks**

- a) Name the different measures of Central Tendency & Dispersion.
- b) What is VVM?
- c) Which are the Vaccines to be given at birth for a neonate?
- d) For which disease Widal test is carried out?
- e) What is the Richest source of Vitamin A?
- f) Which bacteria is known as Koch’s bacilli?

**Q. 5. Discuss - (Attempt any Three)**

**5×3=15 marks**

- a) Role & Responsibility of Sanitary Inspector.
- b) Write in detail about Healthcare delivery system in India.
- c) Classify Immunity and write examples of each.
- d) Enumerate the National Immunization Schedule.
- e) Barriers of Communication & how to overcome them.

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