

Government of India
National Institute of Public Health Training & Research, Mumbai.
Sanitary Health Inspector Course (Batch III- 2019-20)
First Semester Examination

**Paper II - General & Disease Specific Epidemiology, National Health Programs,
Disaster Management & Emergency Care and Demography & Vital Statistics**

Date: 09/12/2019

Time: 11.00 am to 1.00 pm

Total Marks - 60

Q.1. Multiple Choice Questions. (All questions are compulsory).

10 marks

1. First step of Out break investigation?
 - ☒ a) Formulation of Hypothesis
 - b) Data Analysis
 - ☒ c) Verification of diagnosis
 - d) Defining the Population at risk
2. In severe dehydration which IV fluid is recommended for IV infusion?
 - ☒ a) Ringer Lactate
 - b) DNS
 - c) Normal Saline
 - d) Dextrose 5%
3. Measles is mainly transmitted by –
 - ☒ a) Droplet infection
 - b) Blood transfusion
 - c) Mosquito bite
 - d) Contaminated water
4. Dengue is transmitted by –
 - ☒ a) Female anopheles
 - b) Culex
 - ☒ c) Aedes
 - d) Mansonia
5. What is the normal range of Body Mass Index (BMI)?
 - a) 10.50 - 18.50
 - b) 35.00 - 39.99
 - ☒ c) 18.50 - 24.99
 - d) 25.00 -29.99
6. Population growth slow only when –
 - a) Birth rate is slow
 - b) Death rate is high
 - ☒ c) Birth & Death rates are high
 - d) Birth & Death rates are low
7. What should you do to help someone who is choking?
 - a) Help them to drink some water to dislodge the object.
 - ☒ b) Hit them firmly on their back between shoulder blades.
 - c) Encourage them to breathe through their nose.
 - d) Person is advised to lie down on flat surface.

8. The five dose regimen of Intramuscular vaccine for post exposure prophylaxis of Rabies given on days –

- a) 0, 2, 4, 6, 8
- b) 0, 3, 7, 14, 28
- c) 0, 7, 14, 21, 28
- d) 0, 4, 6, 8, 16

9. World Diabetes Day is observed on _____

- ✓a) 14th November
- b) 19th November
- c) 1st January
- d) 31st March

10. Consider the following statements –

- 1. Typhoid fever can be confirmed by Widal test.
- 2. Malaria is caused by fugi.

Which of the above statement is correct?

- ✓a. 1 only
- b. 2 only
- c. 1 & 2
- d. None

Q. 2. Answer the following - (Any five)

10 marks

- 1. Name the three components of Epidemiological Triad.
- 2. Colour code system used for Triage.
- 3. Define Incubation period.
- 4. Modes of transmission for Hepatitis B.
- 5. Define Immunity.
- 6. What is Zoonosis? Give two examples.
- 7. What is Disability Adjusted Life Year (DALY)?

Q. 3. Difference between - (Any Three)

9 marks

- 1. Incidence & Prevalence
- 2. Type I & Type II Diabetes
- 3. Primary Prevention and Secondary Prevention
- 4. Case Control & Cohort study

Q. 4. Write short notes - (Any four)

16 marks

- 1. Domestic Accidents
- 2. Primary prevention of Cancers
- 3. First aid measure for Burns
- 4. Three tier system of Health Care Delivery.
- 5. M. T. P. Act
- 6. Disaster Cycle

Q. 5. Write in brief - (Any three)

15 marks

- 1. Clinical features & Preventive measures of Malaria.
- 2. Dynamics of disease transmission
- 3. Risk factors & Preventive measures of Hypertension
- 4. What is Iceberg phenomenon? Explain with one example.
- 5. Discuss Asphyxia? Discuss causes, signs & symptoms and treatment of Asphyxia.
- 6. Explain Principles of First Aid.