

III-MBBS (Part-I)**Third Professional M.B.B.S. Part-I (Main) Examination (New Scheme)****December 2024****Community Medicine****Paper-I****Time: Three Hours****Maximum Marks: 100**Attempt all questions in both sections.

Section-A**1. Fill in the blanks:****6x1=6**

- a) Quetelet index is presented by
- b) Number of new cases occurring in a defined period of time is known as
- c) In India, death is to be registered within days.
- d) The time interval between diagnosis by early detection and diagnosis by other means is
- e) Breast feeding should be started within of birth.
- f) Father of epidemiology is

2. Answer the following:**4x1=4****i. Twin fortified salt contains:**

- a) Iodine + Fluorine
- b) Iodine + Calcium
- c) Iodine + Iron
- d) Iodine + Chlorine

ii. Human Development Index (HDI) does not include:

- a) Mean years of schooling
- b) Life expectancy at age 1
- c) Real GDP per capita
- d) Adult literacy rate

4. DALY is:

- a) Disease adjusted life year
- b) Disability adjusted life year
- c) Disease associated life year
- d) Disability associated life year

iv. Incidence can be calculated in:

- a) Retrospective study
- b) Case-control study
- c) Prospective study
- d) Cross-sectional study

3. A 2 year old child presented with history of frequent passage of stool for 7 days, irritability, excess thirst and skin turgor was going back slowly. $5 \times 3 = 15$

a. Classify the condition with proper justification in accordance with National Programme Guidelines.

b) Outline the management of the child.

c) What preventive measures will you take to control this situation at family and community level?

4. Write briefly on (Any Five).

5x2=10

- a) Iceberg of disease

- b) Immunity
- c) Vocational rehabilitation
- d) Preplacement examination
- e) ASHA
- f) Endemic fluorosis

5. Explain why (Any Three):**3x5=15**

- a) Integrated vector management is an effective strategy for malaria control.
- b) Vitamin A supplement is given to a child recovering from measles.
- c) Targeted interventions are important components of HIV prevention.
- d) BMI is the best of all indices of obesity.

Section-B

6. Enumerate the cancers most frequently found in India. What are the early warning signs of cancer? Describe some preventive measures against Carcinoma cervix.

20**7. Write briefly on (Any Five).****5x2=10**

- a) Primary health care
- b) Airborne transmission of diseases
- c) Disinfection
- d) Uses of mass screening
- e) Morbidity indicators
- f) Causes of low birth weight

8. Write short notes on (Any Four).**4x5=20**

- a) Measures of dispersion.

- b) Differences between relative risk and attributable risk.
- c) Isolation and Quarantine.
- d) Contact tracing.
- e) Classify the health problems of the aged.

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