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**Date: 20-05-2024**

**0524 E030**

**Third Year MBBS Examination**  
**III MBBS Part 1 Community Medicine**

**Time: 3 hours**

**Max Marks: 100**

1. Answer to the points.
2. Figure to the right indicates marks.
3. Use separate answer books for each section.
4. Draw diagrams wherever necessary.
5. Write legibly.

**Section 1**

- 1. Structured long question (Any 1 out of 2).**

a) Enlist the types of epidemiological studies. Mention the important differences between case control and cohort study. Briefly explain the biases in epidemiological studies?

b) A person was bitten by a dog in the street. The bite was single and on the face, what. is the category of the bite?

Outline the management of this case. What is pre-exposure and post exposure prophylaxis.

(1x10  
marks 10  
marks)

## **2. Applied short notes (Any 2 out of 3)**

a) Enlist the types of epidemiological studies. Mention the important differences between case control and cohort study. Briefly explain the biases in epidemiological studies?

b) A person was bitten by a dog in the street. The bite was single and on the face, what, is the category of the bite?

Outline the management of this case. What is pre-exposure and post exposure prophylaxis.

(2x6 marks  
12 marks)

**3. Write short notes (any 3 out of 4)**

a) An eleven-month-old infant comes to your PHC Unimmunized.

Advise immunization of the child till 5 years of Age.

b) A 6-months old infant with ARI has a respiratory rate 56/min.

There is no chest indrawing and no dangerous sign. Classify the ARI with justification.

c) How does sanitation barrier aim at breaking the transmission cycle of fecal borne diseases.

(3x6 marks  
18 marks)

d) Justify screening tests and diagnostic tests are not synonymous.

**4. Answer only in 2-3 sentences (any 5 out of 6)**

- (5x2  
marks-10  
marks)
- a) IPV and OPV.
  - b) End TS strategy.
  - c) Lathyrism.
  - d) GOBI FFF
  - e) Social marketing
  - f) DALY

## Section 2

**5. Structured Jong question (Any 1 out of 2).**

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a) A 2 year old child presented with history of frequent passage of loose stool since 2 days. The child has irritability, excess thirst and skin turgor going slowly. Classify the condition with proper justification in accordance with national programme guideline. Outline the management for the child.

b) Describe the epidemiological determinants and risk factors of diabetes mellitus. Discuss the community level strategies for prevention and control of diabetes mellitus?

(1x10  
marks 10  
marks)

## **6. Applied short notes (Any 2 out of 3)**

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- (2x6 marks  
12 marks)
- a) Enumerate three important parameters used for measuring malaria problem in any community
  - b) Iceberg phenomenon of disease.
  - c) Population based screening in NPNCD

## **7. Write short notes (any 3 out of 4)**

- (3x6 marks  
18 marks)
- a) Microbiological aspects for drinking water quality standards
  - b) What is sampling and what are the different types of sampling?
  - c) Covid-19 vaccination
  - d) AEFI

## **8. Answer only in 2-3 sentences (any 5 out of 6)**

- (5x2  
marks-10  
marks)
- a) Index case
  - b) SAM
  - c) Primordial prevention
  - d) PQL
  - e) TB champions
  - f) Hidden Hunger

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