

**POST GRADUATE EXAMINATION, JUNE - 2023**

**MD COMMUNITY MEDICINE  
(PAPER ONE)**

**BASIC SCIENCES**

**[Time allotted: Three hours]**

**[Max Marks: 100]**

**Note:** Attempt all questions  
Illustrate with suitable diagrams.

**Q. 1.** Describe the predisposing factors for protein energy malnutrition in children? Discuss in detail the guidelines for management of SAM in children with emphasis on community based management.

**(6+14=20)**

**Q. 2.** What are the barriers to effective communication? Give an outline of how you will conduct a health education campaign in your district for effective implementation of Covid vaccination. **(5+15=20)**

**Q. 3. Describe briefly:** **(3 x 10 = 30)**

- a. IVM as an efficient strategy for control of vector borne diseases
- b. ICDS
- c. Parametric and Non-parametric tests

**Q. 4. Write short notes on:** **(5 x 6 = 30)**

- a. BEINGS model of causation of diseases
- b. Cultural factors in Health and Disease
- c. Gene therapy
- d. Cluster sampling technique
- e. International classification of diseases

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**POST GRADUATE EXAMINATION, JUNE – 2023**

**MD COMMUNITY MEDICINE  
(PAPER TWO)**

**GENERAL EPIDEMIOLOGY**

**[Time allotted: Three hours]**

**[Max Marks: 100]**

**Note:** Attempt all questions  
Illustrate with suitable diagrams.

- Q. 1.** Explain ergonomics. What are occupational hazards? Describe the legal measures for prevention of occupational diseases in India. **(4+8+8)**
- Q. 2.** What are the child health goals under NHP 2017? Give detailed account of HBNC and Home Based Care of Young Child schemes. **(4+ 8+8)**
- Q. 3. Describe briefly:** **(3 x 10 = 30)**
- a. Principles and application of inventory management system in a healthcare environment
  - b. Steps in design and conduct of monitoring and evaluation of programs
  - c. Urban healthcare delivery model
- Q. 4. Write short notes on:** **(5 x 6 = 30)**
- a. Receiver operator characteristic curve (ROC curve)
  - b. Preventive and community geriatrics
  - c. Health programs and schemes for Adolescents
  - d. Delphi technique
  - e. Nested case-control study

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POST GRADUATE EXAMINATION, JUNE – 2023

MD COMMUNITY MEDICINE  
(PAPER THREE)  
SPECIFIC DISEASES EPIDEMIOLOGY

[Time allotted: Three hours]

[Max Marks: 100]

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**Note:** Attempt all questions  
Illustrate with suitable diagrams.

**Q. 1.** Discuss the epidemiology of tuberculosis in brief. Describe the National strategic plan for TB elimination in detail. (8+12=20)

**Q. 2.** What do you understand by surveillance? Discuss various types of surveillance in public health. Explain how surveillance can be used as a tool to improve public health. (3+5+12=20)

**Q. 3. Describe briefly:** (3 x 10 = 30)

- a. Prevention and control strategies for dengue in India
- b. Recent initiatives under NPCDCS
- c. National Guidelines on Zika Virus Disease

**Q. 4. Write short notes on:** (5 x 6 = 30)

- a. MR elimination
- b. Cancer registration.
- c. Mental Health Action plan 2013-2020
- d. HEARTS-D technical package for Diagnosis and management of type 2 diabetes
- a. Nipah virus disease



**POST GRADUATE EXAMINATION, JUNE – 2023****MD COMMUNITY MEDICINE  
(PAPER FOUR)****RECENT ADVANCES****[Time allotted: Three hours]****[Max Marks: 100]**

**Note:** Attempt all questions  
Illustrate with suitable diagrams.

- Q. 1.** What is meant by Universal Health Coverage? Mention categories that WHO uses as indicators of the level and equity of health coverage in countries. Write in detail how Ayushman Bharat- PM-JAY is acting as a GOI flagship scheme to achieve UHC in India. **(4+4+12=20)**
- Q. 2.** Write in detail about POSHAN abhiyaan. Explain how NITI aayog has played a critical role in shaping the POSHAN Abhiyaan? **(14+6=20)**
- Q. 3. Describe briefly:** **(3 x 10 = 30)**
- 'Towards Zero Leprosy'**- the new Global Leprosy Strategy 2021-2030
  - Paradigm shift from maternal death review to surveillance and response
  - Elimination of viral hepatitis through National Viral Hepatitis Control Program (NVHCP)
- Q. 4. Write short notes on:** **(5 x 6 = 30)**
- Role of BCG vaccination against COVID-19 infection
  - MTP amendment bill 2021
  - Vaccine hesitancy
  - One health paradigm
  - Bio-Medical Waste Management Rules, 2016

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