Madhya Pradesh Medical Science University, Jabalpur
MBBS Final Part-I Examination May-2023
Subject: Community Medicine (New Scheme)
Paper II   Paper Code: 23AM0000100542

Instructions:

a) All questions are compulsory

b) Draw diagrams wherever necessary

c) Answers of Questions and Sub questions must be written strictly according to the serial order of question paper

d) MCQ has to be answered in theory answer book

e) Please write MCQ answer neatly and in serial order with black or blue pen in brackets for example: 1. (a) 2. (b)

f) MCQ has to be answered only once; any repetition, cutting, erasing, or use of whitener will be considered malpractice.

   Such answers will not be counted in the marks and action will be taken according to UFM rules of University

g) Subjective Answer should be answered in up to 30 words per mark. For example, a 2-mark answer should be in up to 60 words.

Time: 3:00 Hours   **Maximum Marks: 100**

Q.1 Total MCQs: 10   10 × 1 = 10

1. A sub-centre in a hilly area caters to a population of:
   a) 1000
   b) 2000
   c) 3000
   d) 5000

2. The distance from airport or seaport which has to be kept free from aedes mosquitoes is:
   a) 400 m
   b) 500 m
   c) 1 km
   d) 100 m

3. Most commonly reported disease in the post disaster period is:
   a) Gastroenteritis
   b) Acute respiratory infection
   c) Tetanus
   d) Malaria

4. GATHER Approach is useful for:
   a) Water chlorination
   b) Counseling
   c) Refuse disposal
   d) Data analysis

5. Emporiatrics deals with the health of:
   a) Farmers
   b) Travelers
   c) Miners
   d) Factory workers

6. In post disaster phase, for ensuring safe water supply, it is advisable to have a Residual Chlorine Level of:
   a) 0.3 mg/L
   b) 0.5 mg/L
   c) 0.7 mg/L
   d) 3 mg/L

7. Main cause of Farmer's lung is due to microorganism:
   a) Pneumococcus
   b) Mycobacterium tuberculosis
   c) Micropolyspora faeni
   d) Staphylococcus aureus

8. In Cu-T 380 A, 380 represents:
   a) No. of turns of copper wire
   b) Surface area of Cu-T in sq. mm
   c) Effective life of Cu-T in quarters
   d) Diameter of Cu-T wire in mm

9. Complete family size is indicative of:
   a) Total fertility rate
   b) Gross fertility rate
   c) General fertility rate
   d) Net reproduction rate

10. Water fluoride is removed by:
   a) Boiling
   b) Nalgonda technique
   c) Filtration
   d) Patna technique

Q.2 Long Answer Questions (2 × 20 = 40)

a. Define Infant Mortality Rate (IMR). Describe its causes and measures to prevent IMR.

b. Describe demographic cycle. What are various indicators to measure fertility?

Q.3 Brief Answer Questions (6 × 5 = 30)

a. Differentiate between rapid and slow sand filter.

b. Differentiate between marasmus and kwashiorkor.

c. Define primary health care. What are its elements and principles?

d. Tabulate categories of biomedical waste.

e. A 45-year-old smoker coal miner is suffering from breathlessness on exertion. What health measures can he take to control his condition?

f. Write in brief about integrated vector management.

Q.4 Short Answer Questions (10 × 2 = 20)

a. Hazards of alcoholism.

b. Barriers of communication.

c. Differentiate between PERT and CPM.

d. Importance of genetic counseling.

e. Differentiate between disaster preparedness and disaster mitigation.

f. Differentiate between stunting and wasting.

g. What is post coital contraception?

h. What is GOBI-FFF?

i. What are advantages of telemedicine?

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j. What adverse effects of overcrowding?

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