

**Madhya Pradesh Medical Science University, Jabalpur**  
**MBBS Final Part-I Professional Examination May-2023**  
**Subject: Community Medicine (Old Scheme)**  
**Paper-I Paper Code: 23BM0000100541**

**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) MCQs have to be answered in the theory answer book
- e) Please write MCQ answers neatly and in serial order with black or blue pen in brackets for example: 1. (a)  
2. (b)
- f) MCQs have to be answered only once; any repetition, cutting, erasing, or use of whitener will be considered malpractice. Such answers will not be counted and action will be taken as per UFM rules of University
- g) Subjective answers 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: 60**

**Q.1 Total MCQs: 20     $20 \times \frac{1}{2} = 10$**

1. Sentinel surveillance is done for all except
  - a) AFP
  - b) Diarrhea
  - c) Hepatitis B
  - d) HIV
2. Which vaccine is contraindicated in pregnancy
  - a) Rubella
  - b) Diphtheria
  - c) Tetanus
  - d) Hepatitis B
3. ASHA (Accredited Social Health Activist) works at
  - a) Community level
  - b) Village level
  - c) PHC
  - d) District level
4. The Biological Oxygen Demand indicates
  - a) Organic matter
  - b) Bacteria content
  - c) Anaerobic bacteria
  - d) Chemicals
5. Nalgonda technique is used in
  - a) Endemic fluorosis
  - b) Epidemic dropsy
  - c) Endemic ascites
  - d) Neurolathyrism
6. In an outbreak of cholera in a village of 2,000 population, 20 cases have occurred and 5 die. Case fatality

rate is:

- a) 1%
- b) 25%
- c) .25%
- d) .0025%

7. When total number of deaths due to measles is presented in relation to the total cases of measles, it is best labeled as:

- a) Cause specific death rate
- b) Case fatality rate
- c) Incidence rate
- d) Proportional mortality

8. In a house consisting of two living rooms, the door and windows are facing each other. This will provide:

- a) Aspiration
- b) Low humidity
- c) Cross ventilation
- d) Acoustic discomfort

9. The commonest physical health hazard in most industries is:

- a) Heat
- b) Noise
- c) Humidity
- d) Ionizing radiation

10. After excision of breast for Ca breast, a surgical reconstruction of breast tissue was done. This reflects:

- a) Primary prevention
- b) Secondary prevention
- c) Tertiary prevention
- d) Surgical treatment

11. Schick test does not include:

- a) Immunity to diphtheria
- b) Susceptibility to diphtheria
- c) Hypersensitivity to diphtheria
- d) Carrier of diphtheria

12. In study carried out in the hospital ward, every 10th admitted patient was included in the sample, which sampling procedure is this:

- a) Random sampling
- b) Stratified sampling
- c) Convenient sampling
- d) Systematic sampling

13. Six of the ten family members living in a single room house complain of intense itching ... The most likely diagnosis is:

- a) Psoriasis
- b) Eczema
- c) Dermatitis
- d) Scabies

14. Herd immunity is commonly seen in one of the following diseases:

- a) Poliomyelitis
- b) Leprosy
- c) Malaria
- d) HIV

15. Measures of central tendency, except:

- a) Mean
- b) Median

- c) Mode
  - d) Variance
16. In Cu T-200, 200 signifies:
- a) Weight of Cu in mg
  - b) Surface area of Cu in sqmm
  - c) Length of Cu wire in mm
  - d) Diameter of Cu wire in mm
17. Area falling under 2 S.D. curve would be around
- a) 66%
  - b) 57%
  - c) 95%
  - d) 99%
18. Two variables can be plotted together in
- a) Pie chart
  - b) Histogram
  - c) Frequency polygon
  - d) Scatter diagram
19. Best method to show trend of events with passage of time is:
- a) Line diagram
  - b) Bar diagram
  - c) Histogram
  - d) Pie chart
20. Pre-exposure prophylaxis for rabies is given on:
- a) Days 0,3,7,14,28,90
  - b) Days 0,3,7,28,90
  - c) Days 0,3
  - d) Days 0,7,28

**Q.2 Long Answer Questions ( $4 \times 5 = 20$ )**

- a. Describe clinical features and prevention of Dengue.
- b. Describe epidemiology of coronary heart disease and its prevention.
- c. Discuss concept of prevention, explaining levels of prevention and modes of intervention give examples of each.
- d. Steps of investigating an Epidemic.

**Q.3 Short Answer Questions ( $4 \times 3 = 12$ )**

- a. What is case fatality rate? Give an example.
- b. Chlorination of water.
- c. Normal Curve.
- d. MR campaign.

**Q.4 Very Short Answer Questions ( $9 \times 2 = 18$ )**

- a. Uses of screening.
- b. Vaccines for prevention of rabies.
- c. Define cohort.
- d. Define Primary Health care.
- e. Secondary Attack Rate.

- f. BMI.
- g. Annual Parasite Incidence.
- h. Incubation period.
- i. Euthenics.

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