

KALOJI NARAYANA RAO UNIVERSITY OF HEALTH SCIENCES

TELANGANA, WARANGAL – 506 002

MBBS FINAL YEAR PART-I DEGREE SUPPLEMENTARY EXAMINATIONS: JUNE, 2025

SPM

PAPER- I

Time: 3 Hours

Max Marks: 100

Note: Answer all questions

Give Diagrammatic representation wherever necessary

Multiple Choice Questions:

10 x 1 = 10

- 1 Bhopal Gas Tragedy is an example of
 - a) Point source epidemic
 - b) Propagated epidemic
 - c) Modern epidemic
 - d) Continuous epidemic
- 2 The first step in an Epidemiological Investigation is
 - a) Preparing case definition
 - b) Mapping the epidemic
 - c) Confirmation of existence of an epidemic
 - d) Verification of the diagnosis
- 3 Among the childhood vaccines, which one is most sensitive to heat ?
 - a) Pentavalent
 - b) DPT
 - c) OPV
 - d) Hepatitis B
- 4 Prevalence of a disease is estimated from
 - a) Case control study
 - b) Cohort study
 - c) Cross sectional study
 - d) Randomized trial
- 5 The first case that comes to the notice of the investigator is
 - a) Primary case
 - b) Secondary case
 - c) Index case
 - d) Referred case
- 6 Secondary attack rate reflects:
 - a) Severity
 - b) Communicability
 - c) Fatality
 - d) Infectivity
- 7 A couple has 4 children. All of them are unvaccinated for Measles. A child got Measles on 5th August 2023. Two other children developed Measles by 15th August 2023. The secondary attack rate is approximately _____
 - a) 0%
 - b) 33%
 - c) 66%
 - d) 75%
- 8 Attributable risk is defined as
 - a) Incidence among exposed minus incidence among non exposed
 - b) Incidence among exposed divided by incidence among non exposed
 - c) Incidence among non exposed minus incidence among exposed
 - d) Incidence among non exposed divided by incidence among exposed

- 9 The amount of bleaching powder necessary to disinfect choleric stool is
- | | |
|------------|-------------|
| a) 50 gm/L | b) 75 gm/L |
| c) 90 gm/L | d) 100 gm/L |
- 10 Current annual growth rate of a population can be calculated by:
- | | |
|--|--|
| a) Crude birth rate minus crude death rate | b) Crude death rate minus crude birth rate |
| c) Decadal growth rate / 10 | d) Crude birth rate plus crude death rate |

Essay/ Long Answer Questions:

2 X 15 = 30

11. Classify the causes of Protein Energy Malnutrition in India. List the indicators of Malnutrition. Describe the components of the ICDS Scheme.
12. Describe the causes of Air Pollution. What are the indicators of Air Pollution. Discuss the preventive and control measures of Air Pollution.

Short Answer Questions:

7 X 6 = 42

13. Classify types of epidemiological studies.
14. Physical quality of life index.
15. Travellers Health.
16. Growth monitoring in children.
17. Methods of large scale purification of water.
18. Warning signs of poor mental health.
19. Rural housing standards.

Very Short Answer Questions:

6 X 3 = 18

20. Contributions of John snow.
21. Bias in epidemiological studies.
22. Randomization.
23. Dimensions of Health.
24. Noise induced Hearing Loss.
25. List the types of colour coding of Hospital Waste Segregation.
