

**III Professional MBBS Part I Degree Supplementary (SAY) Examinations May 2025
Community Medicine Paper I
(2019 Scheme)**

Time: 3 Hours

Total Marks: 100

- Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers
- Indicate the question number correctly for the answer in the margin space
- Answer all parts of a single question together • Leave sufficient space between answers
- Draw table/diagrams/flow charts wherever necessary

1. Multiple Choice Questions

(20x1=20)

The MCQ questions (Q.No. i to Q.No. xx) shall be written in the space provided for answering MCQ questions at page No. 51 of the answer book (the inner portion of the back cover page (PART III)). Responses for MCQs marked in any other part/page of the answer book will not be valued

Question numbers i-v are single response questions

- Water pump in broad street in London was identified as the source of cholera by
a) William Farr b) John Snow c) John Grunt d) Hippocrates
- An example of a live attenuated vaccine is
a) Hepatitis B b) Pertussis c) Measles d) Diphtheria
- Fish fat is a dietary source of
a) Vitamin E b) Vitamin K c) Vitamin D d) Vitamin B₁
- The duration of electricity supply required in a day to keep the vaccines effective in an ice-lines refrigerator (ILR) is
a) 4 hours b) 10 hours c) 8 hours d) 2 hours
- Interruption of transmission of disease
a) Elimination b) Control c) Eradication d) Extermination

Question numbers vi-x are case scenario-based questions

100 children with bronchopneumonia were taken and, 100 children with the same age and sex who did not have bronchopneumonia were taken and history of vitamin A rich food intake was assessed.

- The study design is
a) Randomised control trial b) Cohort c) Case control d) Case-cohort
- The bias in case control is
a) Confounder bias b) Berke Sonian bias c) Selection bias d) All of the above
- Matching help to prevent
a) Confounder bias b) Selection bias c) Berke Sonian bias d) Recall bias
- The measure of risk in case control study is
a) Odds ratio b) Relative risk c) Attributable risk d) Hazard ratio
- An odds ratio of one indicates
a) Protective effect c) No association
b) High risk d) No inference can be made

Question numbers xi-xv consist of two statements-Assertion (A) and Reason (R). Answer these questions by selecting the appropriate options given below.

- Assertion: Case fatality rate is a measure of virulence of the disease
Reason: Rabies has low case fatality rate
a) Both A and R are true and R is the correct explanation of A c) A is true, R is false
b) Both A and R are true and R is not the correct explanation of A d) A is false, R is true
- Assertion: Predictive value of a screening test depends on the prevalence of the disease
Reason: Sensitivity and specificity are the measures of validity of a screening test
a) Both A and R are true and R is the correct explanation of A c) A is true, R is false
b) Both A and R are true and R is not the correct explanation of A d) A is false, R is true
- Assertion: Waste sharps are disposed in puncture proof, leak proof and tamper proof containers
Reason: Waste sharps are a health hazard to health care workers
a) Both A and R are true and R is the correct explanation of A c) A is true, R is false
b) Both A and R are true and R is not the correct explanation of A d) A is false, R is true
- Assertion: In a simple random sampling technique, every member of the population has an unequal chance of being selected in the sample
Reason: A list of members in the sampling frame is necessary for selection of the sample
a) Both A and R are true and R is the correct explanation of A c) A is true, R is false
b) Both A and R are true and R is not the correct explanation of A d) A is false, R is true
- Assertion: The active search for disease in apparently healthy people is screening
Reason: The benefit of screening is that early diagnosis is possible
a) Both A and R are true and R is the correct explanation of A c) A is true, R is false
b) Both A and R are true and R is not the correct explanation of A d) A is false, R is true

