

**III Professional MBBS Part I Degree Regular/Supplementary Examinations
February 2025
Community Medicine Paper II**

Time: 3 Hours

Total Marks: 100

1. Multiple Choice Questions

$$(20 \times 1 = 20)$$

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 type questions

- i. In a day care centre a child was having measles. In the centre the children between the ages of 9-12 months can be protected against measles with measles vaccine, provided that this is given with in
a) 1 day of exposure b) 3 days of exposure c) 5 days of exposure d) 7 days of exposure
- ii. Supplementary Nutrition under ICDS (Integrated Child Development Services is given to all the following EXCEPT
a) Children below 6 years c) Lactating Mother
b) Pregnant d) Women (15-45 years)
- iii. After an epidemic of measles in a village near Taxilla, 2 children reported with history of weight loss and blindness, from corneal scarring. The most likely cause of this complication is deficiency of:
a) Vitamin K b) Vitamin D c) Vitamin A d) Vitamin C
- iv. After finishing 28-pill packet of Oral Contraceptive Pills next packet should be started on:
a) Very next day c) Day 5 of menstruation
b) Day 2 of menstruation d) Day 7 of menstruation
- v. Classical triad of Congenital rubella syndrome includes all the following except
a) Deafness b) Hydrocephalus c) Cataract d) Congenital heart disease

Question numbers vi-x are case scenario-based questions

A forty year old security guard presented to emergency department with the complaint of dog bite on his left leg. On examination there are multiple bite marks on the leg with bleeding

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

xi. Assertion: Short course supplementation with zinc is recommended for every child suffering from diarrhea
Reason: As zinc supplementation significantly reduces the severity and duration of diarrhoea in children less than 5 years of age.

a) Both A and R are true and R is the correct explanation of A c) A is true, but R is false
b) Both A and R are true but R is not the correct explanation of A d) A is false, but R is true

xii. Assertion: Nipah virus is an emerging infectious disease
Reason: Nipah virus can sometimes cause serious illness among humans.
a) Both A and R are true and R is the correct explanation of A c) A is true, but R is false
b) Both A and R are true but R is not the correct explanation of A d) A is false, but R is true

xiii. Assertion: ASHA workers is an Accredited Social Health Activist
Reason: ASHA workers needs to have a degree in medico social work s
a) Both A and R are true and R is the correct explanation of A c) A is true, but R is false
b) Both A and R are true but R is not the correct explanation of A d) A is false, but R is true

xiv. Assertion: A country's surveillance system needs to be sensitive enough to detect at least one case of AFP for every 100 000 children under 15 years even in the absence of polio
Reason: As one case of AFP per100 000 children under 15 years is the criteria for elimination of polio
a) Both A and R are true and R is the correct explanation of A c) A is true, but R is false
b) Both A and R are true but R is not the correct explanation of A d) A is false, but R is true

xv. Assertion: The best time to give HPV vaccination is between 9-13 years

Question numbers xvi-xx are multiple response type questions. Read the statements and mark the answers appropriately.

Essays:**(2x10=20)**

2. A 35-year-old male, municipality worker visited a camp with productive cough since a month with intermittent fever. He reported evening rise of temperature on most days. His 'spot sputum sample' was collected, which on Ziehl-Neelsen stain showed reddish bacilli 2+. A portion of the sample was sent for nucleic acid amplification testing which showed that the micro-organism is present and it is sensitive to 'Rif.'
 - a) What is your diagnosis.
 - b) Write the management plan for this individual assuming his weight to be 55 kg.
 - c) What are the advices to be given to reduce further transmission of the disease.
 - d) He lives with 30-year-old wife and two sons aged 9 years and 4 years. How would you ensure that the disease is not spread to these family members.
 - e) Write about immuno-prophylaxis available against the disease. (1+3+2+2+2)
3. Discuss in detail about the health problems of the elderly. What is healthy ageing. Add a note on voluntary organizations working for the care of elderly. (6+2+2)

Short Essays:**(6x6=36)**

4. A primigravid mother at 4 months of amenorrhea has Hemoglobin of 9 g/dL. How would you manage the situation
5. Enumerate hazards of smoking, add a note on the provisions under COTPA (Cigarette and Other Tobacco Products Act)
6. A male trucker presents with history of urethral discharge, explain the syndromic management of Urethral discharge
7. Write in brief about rule of halves in hypertension
8. Explain steps in health planning with the help of 'planning cycle.'
9. Write in brief about the disaster cycle, add a note on disaster mitigation

Short Answers:**(6x4=24)**

10. Write briefly about the functions of WHO
11. Enumerate rickettsial disease and their vectors
12. Write in brief about Cancer registries
13. The concept of fiduciary duty in medicine
14. What is Vaccine derived polio virus (VDPV), explain the types of VDPV
15. Write in brief about HIV sentinel surveillance
