

015/25

The West Bengal University of Health Sciences
MBBS 3rd Professional Part-I Examination (New Regulation),
December, 2025

Subject: Community Medicine
Paper: II

Full Marks: 100
Time: 3 hours

Attempt **all** questions and answer in **sequential** order. The figures in the margin indicate full marks.

- 1.a) A 50 year old male Rajesh, employed in battery industry comes to emergency department complaining of abdominal colic, obstinate constipation, loss of appetite and wrist drop. On examination, there is presence of anemia and blue line on the gums. Blood examination revealed basophilic stippling of RBC. What is the most probable diagnosis? Explain in detail the medical measures for prevention of such occupational hazard. Discuss in brief the occupational hazards of an industrial worker. What are the benefits of the employees under ESI Act? 1+4+5+5
- b) During your family visit, how will you assess the nutritional status of the family members? What are the common nutritional problems in India? Mention briefly the objectives and strategies of any one nutritional program. 5+3+7
2. Answer the following:
- a) The consumption of iron and folic acid supplements was around 30% among pregnant women in a block of West Bengal. How would you plan and implement the strategies to improve the consumption to more than 70% among pregnant women in the block? 10
- b) A 3 days old low birth weight baby died in your hospital. How will you term this kind of mortality? What is the present rate of such mortality in India as per NFHS-5? What are the contributory factors of such mortality? Outline the strategies for reducing such mortality in your district. 1+1+4+4
- c) Briefly describe the services provided by a Primary Health Centre. What should be the ideal staffing pattern of a primary health centre? 7+3
3. Write short notes on the following: 2 x 5
- a) International health regulations.
- b) Warning signals of poor mental health.
4. Explain the following statements: 5 x 4
- a) ASHA is an example of community participation.
- b) Network Analysis is an effective management tool.
- c) Customs are not always deleterious to health.

- d) Health needs and health demands are not always the same.
- e) Geriatric medicine is essentially a multidisciplinary approach to deal the problems of aged population.

5. Choose the correct option for each of the following: 10x1

- i. In counseling, the most crucial step to ensure effectiveness is:
 - a) Persuading the client
 - b) Establishing rapport and trust
 - c) Giving direct advice
 - d) Maintaining a formal tone

- ii. Improvement in the quality of intranatal care is an objective of:
 - a) SUMAN
 - b) JSY
 - c) LaQshya
 - d) ePMSMA

- iii. Best method to teach women of an urban slum about preparation and use of ORS is :
 - a) Lecture
 - b) Demonstration
 - c) Group discussion
 - d) Counseling with flip-chart

- iv. The headquarter of WHO is located in:
 - a) Geneva
 - b) Paris
 - c) New York
 - d) Washington DC

- v. The most important anthropometric indicator reflecting the short and long-term effect of growth, development and survival of a child is:
 - a) Weight- for- age
 - b) Weight- for- height/ length
 - c) Height/ Length-for-age
 - d) Mid upper arm circumference

- vi. Thalassemia is transmitted in form of:
 - a) Autosomal dominant
 - b) Autosomal recessive
 - c) X linked dominant
 - d) X linked recessive

- vii. Limiting Amino Acid in pulse:
 - a) Methionine
 - b) Lysine
 - c) Threonine
 - d) Phenylalanine

- viii. Which of the following is important in calculation of pearl index?
 - a) Number of abortions
 - b) Total accidental pregnancies
 - c) Socio economic status
 - d) Total gestational period

- ix. DMPA is an injectable contraceptive. It should be given every:
 - a) 3 Weeks
 - b) 2 Months
 - c) 3 Months
 - d) 2 Years

- x. Under Ayushman Bharat, Health and Wellness centres (HWC) aim to provide:
 - a) Curative services only
 - b) Referral care only
 - c) Comprehensive primary health care
 - d) Emergency care only