

# 2010 Scheme

Q.P. Code: 303001

Reg. no.: .....

## Third Professional MBBS (Part I) Degree Supplementary Examinations August 2024

### Community Medicine - Paper I

Time: 3 Hours

Total Marks: 60

- 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 diagrams wherever necessary

**Essay:** (10)

1. It was observed that low birth weight babies are increasing among women in a difficult rural area. It was decided to conduct a study to identify the risk factors of low birth weight babies

- a) What is the ideal study design you would adopt for this study
  - b) What are the steps of this study design
  - c) How do you calculate the measure of risk in this study
  - d) What are the advantages and disadvantages of this study
- (1+5+2+2)

**Problems:** (2x5=10)

2. It was noticed that three children of 1½ years of age presented to a PHC with complaints of swelling on the injection site over lateral aspect of mid-thigh after vaccination. All children took vaccine from the same vaccination session conducted in a subcentre. As a medical officer of the PHC what are the measures you will take to tackle the situation

3. During the community survey in a tribal area a lot of children below the age of 5 years were screened positive for severe acute malnutrition. The anganwadi worker of the area says the parents are irregular in availing the anganwadi services. Describe the medical and social measures you would suggest to manage this public health problem.

**Short answer Question:** (5x4=20)

4. Modes of transmission of infectious diseases

5. Discuss the concept of critical point, screening time and lead time in cancer cervix considering the pap smear as screening test.

6. Explain Intensified Mission Indradhanush vaccination campaign under the following

- a) Purpose of the campaign
  - b) Beneficiaries
  - c) Campaign sites for effective coverage
- (1+1+2)

7. Demographic cycle

8. Levels of prevention and modes of intervention for a disease or health event

**Differentiate between:** (3x2=6)

9. Prospective and Retrospective genetic counselling

10. Sub-clinical cases and Carriers

11. Quarantine and Isolation for an infectious disease

**Substantiate your answer with reasons:** (2x2=4)

12. Reducing out of pocket spending on health care is key to ensure universal health coverage

13. Verbal autopsy is an important measure to reduce infant deaths in the community

**List the following:** (5x2=10)

14. Contraindications for a Live attenuated vaccine

15. Components of Essential Obstetric care

16. Methods to remove hardness of water

17. Methods of sampling

18. Essential requirements of a First Referral Unit (FRU) for maternal and child health care

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