

**Third Professional MBBS (Part I) Degree Regular/Supplementary  
Examinations April 2022**

**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. Ramesh 7<sup>th</sup> semester MBBS student while doing his community medicine stay posting in a rural CHC observed that, there are around 15% people suffering from hypertension. He decided to find out risk factors of hypertension. Answer the following:

- What is the type of study design he should use if study has to be completed during the posting and mention reasons
- State the objectives of study
- Mention the methodology of study
- How will you analyze the data

**(2+1+5+2)****(2x5=10)****Problems:**

2. As a medical officer of a PHC, Prepare an action plan to ensure geriatric friendly health services in your area
3. Prescribe a therapeutic diet for a 35 year old male software engineer with body weight 85 kg, who has been diagnosed with type II diabetes mellitus

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

4. Blocked flea
5. Human development index
6. Sanitary well
7. Pearl index
8. Histogram

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

9. Case control and Cohort study
10. Health education and Counseling
11. Disinfection and Sterilization

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

12. Cultural factors play an important role in disease causation

13. Besides technical competence, a doctor must know how to communicate with his patients

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

14. Uses of descriptive epidemiology
15. Causes of infant mortality
16. Uses of screening
17. Steps in investigation of an epidemic
18. Indices of air pollution

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