

**Third Professional MBBS (Part I) Degree Supplementary Examinations
August 2017****Community Medicine-Paper I****Time: 3 Hours****Total Marks: 60**

- Answer all questions
- Draw diagrams wherever necessary

Essay:**(10)**

1. Dr. Meera is a medical officer in a primary health centre. Dengue is rampant in the region. A patient brings her a strip of capsules given to him by a local health practitioner who claims that a course of this medication will prevent thrombocytopenia. Dr. Meera decides to test the medication. Answer the following:

- What type of study design she should use and why
- Describe in brief the steps of the study
- How will she analyze the data that she has gathered (2+4+4=10)

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

2. As a medical officer of an urban health centre what are the steps that you will take to investigate the outbreak of gastroenteritis in an under-privileged area in the area.
3. A 21 years old tribal woman presents to you in the 34th week of her pregnancy with a hemoglobin level of 6gm/dL. How will you handle this case.

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

4. Genetic counselling
5. Fly control measures
6. Medical termination of pregnancy Act
7. Health hazards of health-care waste
8. Barriers of communication

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

9. General fertility rate and total fertility rate
10. Trans-ovarian and trans-stadial transmission of diseases
11. Quality-adjusted life years (QALY) and disability-adjusted life years (DALY)

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

12. Insecticide treated bed nets are the most effective method of protection against mosquitoes.
13. It is the responsibility of the family to socialize the "stream of new-born barbarians".

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

14. Steps in a cohort study
15. Health promotion methods
16. Methods of natural family planning
17. Benefits under the Employees' State Insurance Scheme
18. Sampling methods
