VINAYAKA MISSION'S RESEARCH FOUNDATION, SALEM
(Deemed to be University)

THIRD MBBS DEGREE EXAMINATION – October 2020
PART I

COMMUNITY MEDICINE - PAPER I

SECTION A

Time: Fifteen Minutes   **Maximum: 15 marks**

Register Number : ☐☐☐☐☐☐☐☐☐☐

Signature of the candidate   **Signature of the Invigilator**

Instructions to the candidates

1. **Write your Register Number and sign at the place specified on the first page of this Question Booklet.**

2. **Do not open this question booklet until Invigilator announces the commencement of the examination.**

3. **Answer ALL the Fifteen questions. They carry equal marks. No negative marking for wrong answers.**

4. **Answers should be marked legibly in the SHEET provided in capital letters.**

5. **THE QUESTION BOOKLET SHOULD NOT BE TAKEN OUT OF THE EXAMINATION HALL.**

6. **Questions should not be copied and taken out of the Examination Hall. Any one found violating this rule shall not be permitted to write the examination and shall be sent out of the Hall.**

7. **At the end of 15 minutes, when the Invigilator announces 'STOP WRITING' you must stop writing immediately. If the candidate tries to attempt to answer the questions after the prescribed time, their answer script becomes invalid.**

8. **Hand over the questions booklet containing answer sheet to the invigilator when you finish answering or immediately after 15 minutes.**

COMMUNITY MEDICINE - PAPER I

SECTION-A (15X1-15 MARKS)
(Multiple choice questions)

Time: Fifteen Minutes   Maximum: 15 marks

Select the most appropriate answer and answer in the answer sheet attached:

1. The occurrence of a disease at a rate above the   expected number is called
    A. Epidemic
    B. Endemic
    C. Pandemic
    D. Enzootic

2. Case- control studies are often called
    A. Prospective studies
    B. Observation studies
    C. Retrospective studies
    D. Descriptive studies

3. Which of the following level of prevention is applied in the pre-Pathogenesis Period?
    A. Specific protection
    B. Early diagnosis and treatment
    C. Disability limitation
    D. Rehabilitation

4. Soiling index is an indicator of
     A. Air pollution
     B. Water pollution
     C. Soil pollution
     D. Noise pollution

5. An example for Specific Protection is
    A. Immunization
    B. Health education
    C. Provision of safe drinking water
    D. MDT for leprosy.

6. Acceptable noise level in a classroom is
   A. 10-20 db
   B. 20-35 db
   C. 30-40 db
   D. 45-60 db

7. The Triangle of Epidemiology includes
   A. Environment, Agent, Host
   B. Environment, Host, Time, Agent
   C. Host, Time, Agent
   D. Environment, Time, Agent

8. Incidence of a disease is related to
   A. New cases
   B. Old cases
   C. Recurrent cases
   D. Chronic cases

9. The most important tool for the epidemiologist is a
   A. Stethoscope
   B. Calculator
   C. Swab
   D. Vaccine

10. The most important biological trait that determines what disease an
    individual will contract is
    A. Sex
    B. Genetic predisposition
    C. Age
    D. Race

11. A fair idea of Incubation period can be obtained by calculating
    A. Attack rate
    B. Serial interval
    C. Incidence
    D. Prevalence

12. One of the initial step in conducting an epidemic investigation is to
    A. Report writing
    B. Determine the case count
    C. Collect appropriate sample
    D. Verify the diagnosis

13. Foods of plant origin do not contain this vitamin
    A. Vitamin - A
    B. Vitamin – D
    C. Vitamin - E
    D. Vitamin – K

14.The killing power of a disease is indicated by
    A. Infant Mortality Rate
    B. Case Fatality Rate
    C. Crude Death Rate
    D. survival rate

15. Confidence limits are calculated by using
    A. The median and its standard error
    B. The median and the range
    C. The mean and its standard error
    D. The mean and the range

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(Sl.No. M23049)

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COMMUNITY MEDICINE – PAPER I

Time : Three hours   Maximum : 80 marks

Answer ALL Questions

Answer Section A in the Answer Sheet attached to it 15 marks – 15 minutes to be handed over to the invigilator immediately after 15 minutes

Answer Section B in the same answer book

Time : 2 hours 45 minutes   **SECTION – B**   Maximum : 65 marks

I. Write an essay on: (2x15=30)

1. Define Epidemiology. Classify different Epidemiological methods. Explain the framework and elements of Cohort study.
2. Enumerate components of environment. Describe Water related diseases. Add a note on water pollution.

II. Write short notes on: (5X5=25)

3. Special nutrition program.
4. Prevention of Vitamin-A deficiency.
5. Natural history of disease.
6. Principles of primary health care.
7. Integrated Vector control.

III. Write very short notes on: :   (5X2=10)

8. Cold chain system.
9. Mortality rates.
10. Vital events.
11. Community based rehabilitation.
12. Uses of screening test

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