

Sl.No. M21984

Course Code : 161023T03

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

THIRD MBBS DEGREE EXAMINATION – February 2020

PART I

COMMUNITY MEDICINE - PAPER I

SECTION A

Time: Fifteen Minutes

Maximum: 15 marks

Register Number :

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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. Nosocomial infections are most often caused by
 - A. Pseudomonas
 - B. Streptococcus
 - C. Neumococcus
 - D. E.coli

2. First case occurred in an Epidemic is called
 - A. Index case
 - B. Primary case
 - C. Secondary case
 - D. Latent case

3. When a group of people come together temporarily, for a short period, motivated by a common interest with somebody to lead, it is known as
 - A. Crowd
 - B. Herd
 - C. Mob
 - D. Band

4. Randomization decreases the chances of
 - A. Confounding bias
 - B. Selection bias
 - C. Interviewer's bias
 - D. None of the above

5. All of the following are nominal scales except
 - A. Colour of the iris
 - B. Socio-economic status
 - C. Sex
 - D. Race

(p.t.o.)
(Sl.No. M21984)

6. Free medical service at government expenditure is called as
 - A. Socialized medicine
 - B. Primary Health care
 - C. Comprehensive Health care
 - D. Preventive Medicine

7. Which of the following is not included under universal barrier precaution?
 - A. Thorough hand washing
 - B. Careful handling of sharp objects
 - C. Safe sex
 - D. Disinfection or disposal of instrument after use

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

9. In a study carried out in the hospital ward, every 10th admitted patient was included in the sample, which sampling procedure is this:
 - A. Random sampling
 - B. Stratified sampling
 - C. Convenient sampling
 - D. Systematic sampling

10. Methylene blue reduction test is done for
 - A. Estimating protein content in the milk
 - B. Estimating fat content in the milk
 - C. Check the efficiency of pasteurization of milk
 - D. Estimating bacterial activity in the milk

11. A normal distribution curve is determined by the
 - A. Mean and sample size
 - B. Mean and standard deviation
 - C. Range and sample size
 - D. Range and standard deviation

12. The first step conducting an epidemic investigation is to
- A. Determine the population at risk
 - B. Determine the case count
 - C. Collect appropriate sample
 - D. Verify the diagnosis
13. In Measles, infective period is :
- A. 3 days before and 4 days after the appearance of rash
 - B. 4 days before and 3 days after the appearance of rash
 - C. 4 days before and 5 days after the appearance of rash
 - D. 5 days before and 4 days after the appearance of rash
14. Height in cms by cube root of body weight is also known as:
- A. Quetelet index
 - B. Ponderals index
 - C. Broca index
 - D. Corpulence index
15. Vital statistics in a population include
- A. Sex ratio
 - B. Birth rate
 - C. Age composition
 - D. Dependency ratio

(Sl.No. M21984)

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PART I**

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 essays on :

(2 x 15 = 30)

1. Explain the steps in Case control studies. Mention the bias in Case control studies. Given examples of Case control studies.
2. Enumerate nutritional problems in India. Describe any one nutritional problem in detail. Add a note on challenges faced in prevention.

II. Short notes on :

(5 x 5 = 25)

3. Prevention and control of air pollution.
4. Functions of family in health and disease.
5. Genetic counseling
6. Cold chain system
7. Sampling methods

III. Answer briefly on :

(5 x 2 = 10)

8. Spot map.
9. Community diagnosis.
10. Components of health information system.
11. Mosquito control measures.
12. Different types of screening.
