

Sl.No. M23247

Course Code : 161023T03

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

**THIRD MBBS PART I DEGREE EXAMINATION – February 2021
Third Year**

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. In normal distribution curve, the area between three standard deviations on either side of the mean is equal to
 - A. 68%
 - B. 75%
 - C. 99%
 - D. 100%
2. Best method of teaching an urban slum about ORS is
 - A. Lecture
 - B. Role play
 - C. Demonstration
 - D. Flash card
3. Hand washing to prevent Nosocomial infection is an example of
 - A. Tertiary prevention
 - B. Primary prevention
 - C. Secondary prevention
 - D. Quaternary prevention
4. Human development index DOES NOT include
 - A. Mean years of schooling
 - B. Life expectancy
 - C. GDP per capita
 - D. Adult literacy rate
5. Disinfection of urine is what type of disinfection.
 - A. Precurrent disinfection
 - B. Concurrent disinfection
 - C. Preconcurrent disinfection
 - D. Terminal disinfection

(p.t.o.)

6. Relative risk is calculated in
 - A. Cross sectional study
 - B. Cohort study
 - C. Case control study
 - D. Ecological study

7. Selection bias can be eliminated by
 - A. Removing confounding effect
 - B. Matching
 - C. Blinding
 - D. Random sampling

8. Life period of cu380A
 - A. 5 years
 - B. 10years
 - C. 15 years
 - D. 8 years

9. Sex ration in India as per census 2011 is
 - A. 940
 - B. 930
 - C. 914
 - D. 924

10. Parboiling of rice is the process of
 - A. Cooking in boiling water
 - B. Partial cooking in stream
 - C. Milling process
 - D. Genetic engineering of rice

11. Out of the following, true about egg is
 - A. Rich in all vitamins including vitamin C
 - B. Deficient in essential amino acid
 - C. 60 grams of Egg has 6gm fat,6gm protein and 30 mg calcium
 - D. Net protein utilisation =70

12. Mid-day meal scheme includes provision of
- A. $1/3^{\text{rd}}$ calories, $1/2^{\text{nd}}$ protein
 - B. $1/2^{\text{nd}}$ calories, $1/3^{\text{rd}}$ protein
 - C. $1/2^{\text{nd}}$ calories, $1/2^{\text{nd}}$ protein
 - D. $1/3^{\text{rd}}$ calories, $1/3^{\text{rd}}$ protein
13. Sanitation barrier implies all except
- A. Water pollution
 - B. Personal hygiene
 - C. Elimination of flies
 - D. Segregation of faeces
14. Optimum floor space required per person is
- A. 25-50 sq.ft
 - B. 100-150 sq.ft
 - C. 50-100 sq.ft
 - D. 150-200 sq.ft
15. Acceptable noise level in hospital wards
- A. 15-20DbA
 - B. 20-35DbA
 - C. 35-50DbA
 - D. 50-60DbA

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**THIRD MBBS DEGREE EXAMINATION – February 2021
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. Define epidemiology. What is analytical epidemiology? Describe the steps in designing a case control study. List the advantages and disadvantages of a case control study
2. What is undernutrition? Describe the various types of undernutrition. What are the three commonly used anthropometric indices in children?

II. Short notes on :

(5 x 5= 25)

3. Ice-berg phenomenon.
4. Levels of prevention.
5. Mass media used in communication.
6. Food fortification.
7. Newer contraceptives.

III. Answer briefly on :

(5 x 2 = 10)

8. Dietary sources of iron.
9. Role of mosquito in disease transmission
10. Define census.
11. Define pandemic with an example.
12. What is breakpoint Chlorination?
