

MANIPAL ACADEMY OF HIGHER EDUCATION
FINAL MBBS PART – I DEGREE EXAMINATION – MARCH 2021
SUBJECT : COMMUNITY MEDICINE – PAPER - II (ESSAY)

Monday, March 15, 2021

Time: 10:20 – 13:00 Hrs.

Maximum Marks: 80

✍ **All questions are compulsory.**

✍ **Illustrate your answers with suitable diagrams wherever necessary.**

✍ **Essay questions:**

1. Define Infant Mortality Rate. Discuss the various factors affecting infant mortality in India. What are the preventive and social measures for reducing infant mortality?

(2+4+4 = 10 marks)

2. Discuss the various measures for prevention of Cancer. Describe the screening methods available for common cancers in India.

(7+3 = 10 marks)

3. **Short questions:**

3A. Complications during postnatal period.

(4 marks)

3B. Juvenile delinquency-causes and preventive measures.

(4 marks)

3C. Objectives of Integrated Child Development Services.

(4 marks)

3D. Who is an ideal candidate for intrauterine contraceptive device (IUCD) insertion? Mention any **FOUR** contraindications for IUCD insertion.

(2+2 = 4 marks)

3E. Define sex ratio. Describe the reasons for unfavourable sex ratio towards females.

(1+3 = 4 marks)

3F. What is food fortification? Enlist the criteria to be fulfilled by the vehicle and nutrient to qualify for fortification.

(1+3 = 4 marks)

3G. Describe the 'dietary goals'.

(4 marks)

3H. Enumerate any **FOUR** differences between growth monitoring and nutritional surveillance.

(4 marks)

3I. Mention the strategies to be adopted for prevention and control of Protein–Energy Malnutrition in the community.

(4 marks)

- 3J. What are the principles of primary health care? Describe any **ONE** in detail. (2+2 = 4 marks)
- 3K. Barriers in communication. (4 marks)
- 3L. Mention the potential areas for disease prevention among the elderly. (4 marks)
- 3M. Describe the measures for prevention of genetic disorders. (4 marks)
- 3N. Discuss any **FOUR** medical measures for prevention of occupational diseases. (4 marks)
- 3O. Discuss hazards of obesity and its prevention and control measures. (2+2 = 4 marks)



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Saturday, March 13, 2021

Time: 10:20 – 13:00 Hrs.

Maximum Marks: 80

✍ All questions are compulsory.

✍ Illustrate your answers with suitable diagrams wherever necessary.

✍ **Long questions:**

1. Describe the steps of a retrospective study design. Outline the biases inherent to this study design.

(8+2 = 10 marks)

2. Discuss the epidemiological determinants of Leprosy. Describe the Indian and clinical classification of Leprosy. Add a note on recommended regimens of chemotherapy.

(3+3+4 = 10 marks)

3. **Write short notes on:**

3A. Briefly describe epidemiological triad with an example.

(4 marks)

3B. What is acculturation? Discuss the impact of acculturation.

(2+2 = 4 marks)

3C. Secondary attack rate

(4 marks)

3D. What are the salient features of carriers? Classify the different types of carriers with examples.

(4 marks)

3E. Uses of epidemiology.

(4 marks)

3F. Types of non-randomized trials.

(4 marks)

3G. Briefly explain the concept of lead time with a diagram.

(4 marks)

3H. Properties of Normal distribution curve.

(4 marks)

3I. What is congenital rubella syndrome? How can it be prevented?

(4 marks)

- 3J. Assessment of dehydration in a child with diarrhoea. (4 marks)
- 3K. Integrated vector control (4 marks)
- 3L. Water conservation (4 marks)
- 3M. Effects of noise pollution (4 marks)
- 3N. Pre-exposure prophylaxis for Rabies (4 marks)
- 3O. Management of pneumonia in a 6 month old child. (4 marks)

