

Question Paper

Exam Date & Time: 02-01-2023 (10:20 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION
THIRD PROFESSIONAL YEAR MBBS DEGREE EXAMINATION – JANUARY 2023
SUBJECT: COMMUNITY MEDICINE - PAPER I
(CBME BATCH – REGULAR)

Marks: 80

Duration: 160 mins.

Answer ALL questions.

Long answer questions:

- 1) Mrs. Lata, a 28 year old women is diagnosed as sensitive pulmonary tuberculosis. She lives in a nuclear family with her husband 36 years old and a 4 year old child.
- 1A) Discuss the diagnostic algorithm. (3)
- 1B) Mention the sensitive TB treatment regimen. (3)
- 1C) Discuss the INH prophylaxis regimen. (2)
- 1D) Advice on sputum disposal. (2)
2. Discuss the levels of prevention and modes of intervention with respect to natural history of cancer. (10)

3) Short answer questions:

- 3A) Discuss the determinants of health. (4)
- 3B) Discuss the criteria for screening based on disease to be screened and test to be applied. (4)
- 3C) Enumerate the various sources of health information. Explain any one in detail (2+2=4)
- 3D) Discuss the uses of epidemiology. (4)
- 3E) Explain the principal components of zoonotic disease control giving suitable example. (4)
- 3F) Explain : 6x6x6 strategy of Anemia Mukth Bharat. (4)
- 3G) Justify the role of a family in health and disease. (4)
- 3H) Describe the Social factors in STDs. (4)
- 3I) Describe the standard precautions to be taken by all health care workers in the wards. (4)
- 3J) A 2 year old child came with history of fever for 4 days, history of poor appetite, the child is drowsy and not able to drink. The child looks malnourished with a present weight of 7kgs.
On examination HR-140/min, RR-74/min, SPO2-91%, Temp-101 F
- i) The child falls under which grade of pneumonia? Justify. (2)
- ii) How will you manage this child? (2)
- 3K) Describe the epidemiological determinants of Leishmaniasis. Outline the preventive measures. (4)

- 3L) Ramesh, a 50-year-old man, presented to the surgical outpatient department with 2 insidiously developed painless ulcers on the plantar aspect of his left foot. There was no proximal or distal motor deficit or any history of diabetes. Further physical examination revealed the presence of 10 to 12 hypo aesthetic reddish patches on either side of his lower back and bilaterally thickened lateral popliteal nerves.
- i) What is the probable diagnosis? (1)
 - ii) List the deformities that this patient might suffer if left untreated. (1)
 - iii) What treatment would be offered to this patient under the national programme? (2)
- 3M) You are a duty doctor in Emergency Medicine Department. A 4 year child comes to you with complains of multiple transdermal dog bite on his leg. How will you manage this case? (4)
- 3N) Describe the dose, route, site and schedule of Measles Rubella vaccine as per National Immunization Schedule. (4)
- 3O) A patient comes to surgery out patient department with excruciating pain abdomen. As it was a busy OPD, the surgeon examined the patient and told that "You require immediate surgery, otherwise you will die". The patient wanted to know what had happened to him. But when he asked the doctor, the doctor said "Nothing can be done now. I don't have time to explain you now, you get admitted." Discuss the barriers for an empathetic communication between the surgeon and the patient, in this scenario? (4)

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Question Paper

Exam Date & Time: 04-01-2023 (10:20 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION
THIRD PROFESSIONAL YEAR MBBS DEGREE EXAMINATION – JANUARY 2023
SUBJECT: COMMUNITY MEDICINE - PAPER II
(CBME BATCH – REGULAR)

Marks: 80

Duration: 160 mins.

Answer ALL questions.

Long questions:

1. What are the factors responsible for the increase in the mortality and morbidity due to road traffic accidents? Describe the strategies that can be adopted to reduce the problem? (5+5 = 10 marks)

2. During family study survey you come across a BPL family, with 6 members. It consists of an elderly couple, their son Ramesh aged 32 years, Padmini, his wife who is pregnant with 28 weeks of gestation and their son Puneeth 5 year old.
 - 2A) Describe the government schemes this family is eligible for? (3)
 - 2B) Explain the antenatal advice that you will give Padmini. (4)
 - 2C) Construct an immunization chart for Puneeth if he is immunized till date. (3)

3. Short answers:

- 3A) Increase in the expectancy of life has brought geriatric problems in India. Discuss. (4)
- 3B) What are the problems faced by adolescents? Discuss the solutions for the same. (2+2 = 4)
- 3C) Discuss baby friendly hospital initiative. (4)
- 3D) Discuss any four fertility indicators. (4)
- 3E) Explain ecology of malnutrition. (4)
- 3F) Salt is considered an appropriate vehicle for fortification with iodine. Justify. (4)
- 3G) Enumerate the various community nutrition programs. Explain any one in detail. (2+2 = 4)
- 3H) Enumerate the warning signals of cancer. (4)
- 3I) Enumerate the occupational hazards of workers working in textile industry. Discuss the preventive measures.
- 3J. Explain the following terms:
 - i) Sickness absenteeism. (2)
 - ii) Ergonomics. (2)

- 3K) A health education session was planned in a college to motivate students to adopt healthy lifestyle. Explain the various principles of health education that determines the effectiveness of your session. (4)
- 3L) What are the steps in a planning cycle? Explain with a suitable example. (4)
- 3M) Enlist the various non- governmental international agencies. What are the functions of International Red Cross? (4)
- 3N) You are an airport medical officer. There has been an aircrash with mass casualties. Discuss the plan of action. (4)
- 3O) You are a medical officer in a Primary health centre. Explain how you will educate your team members regarding segregation and disposal of biomedical waste during routine immunization session. (4)

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