

Rajiv Gandhi University of Health Sciences, Karnataka**MBBS Phase – III (Part-I – CBME) Degree Examination - 05-Jun-2024****Time: Three Hours****Max. Marks: 100****COMMUNITY MEDICINE – PAPER – I (RS-4)****Q.P. CODE: 1035****(QP contains two pages)**Your answers should be specific to the questions asked
Draw neat, labeled diagrams wherever necessary**LONG ESSAYS****2 x 10 = 20 Marks**

1. Define the following terms: a) Endemic b) Epidemic c) Pandemic. List the steps involved in investigation of an epidemic.
2. Define Nutrition. Describe the inter-relation between malnutrition and infection. Discuss the measures that should be taken to interrupt this relationship.

SHORT ESSAYS**8 x 5 = 40 Marks**

3. Define an Adverse Event Following Immunization [AEFI]. Classify AEFIs.
4. Define surveillance. List the different types of surveillance with suitable examples.
5. Explain the various indices of thermal comfort.
6. Discuss the various models of health education.
7. Describe the health hazards of radiation on healthcare workers and its preventive and control measures.
8. What is Human development Index (HDI)? What are the steps to estimate HDI?
9. Enumerate fertility indicators. Discuss total fertility rate.
10. Describe various methods of treatment and disposal of health care waste

SHORT ANSWERS**10 x 3 = 30 Marks**

11. Mention the uses of epidemiology.
12. Define sensitivity and specificity of a screening test.
13. Describe rainwater harvesting.
14. List the functions of United Nations Children's Fund (UNICEF).
15. How do you manage expired drug/ discarded medication as per Biomedical Waste Management Rules, 2016?
16. Mention advantages and disadvantages of role playing as a health communication method.
17. Draw the appropriate diagram to represent statistical data of patients admitted in a hospital according to their disease and sex?
18. List common ergonomic problems seen among software engineers.
19. Draw an epidemiological triad diagram for Tuberculosis.
20. What is pasteurization? List the methods of pasteurization.

Multiple Choice Questions**10 x 1 = 10 Marks**

- 21 i) Which of the following is a bilateral international health agency
- A. United States Agency for International Development
 - B. Food and Agricultural Organization
 - C. World Health Organization
 - D. International Health Organization

21 ii) The following type of epidemiological study uses population as the unit of study:

- A. Ecological studies

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- B. Cross sectional studies
C. Cohort studies
D. Field trials
- 21 iii) Which of the following is the greatest contributor to global warming as a consequence of human activities and lifestyle:
A. Carbon dioxide
B. Chlorofluorocarbons
C. Methane
D. Ozone
- 21 iv) Metallic body implants should be disposed in:
A. Yellow-coloured bag
B. Red-coloured bag
C. Puncture proof and leak-proof box with blue coloured marking
D. Puncture proof and leak-proof box with black coloured marking
- 21 v) Following statement is **CORRECT** regarding health education
A. Aims at impulsive actions
B. Makes people think for themselves
C. Develops standard pattern of attitudes
D. Instills knowledge in the minds of people
- 22 i) Which of the following statements is **TRUE** regarding the median?
A. It is the sum of all observations divided by the number of observations, when arranged in ascending order
B. It is the sum of all observations divided by the number of observations, when arranged in descending order
C. It is not affected by extreme values
D. It is affected by extreme values
- 22 ii) The duration of maternity benefit with full wages to an insured woman under Employees State Insurance Act is
A. 34 weeks
B. 28 weeks
C. 14 weeks
D. 26 weeks
- 22 iii) Identify the tertiary level of prevention among the following.
A. Health Screening for diabetes mellitus
B. Case finding for falciparum malaria
C. Contact tracing of STI
D. Reconstructive surgery in leprosy
- 22 iv) Which of the following is the first **SIGN** of vitamin A deficiency?
A. Night blindness
B. Conjunctival xerosis
C. Keratomalacia
D. Bitot's Spots
- 22 v) A health team went to a village for contact tracing during Covid 19 pandemic. The community volunteers, local leaders helped in identifying and educating the primary and secondary contacts. This is:
A. Intersectoral coordination
B. Situational analysis
C. Appropriate technology
D. Community participation
