

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

(A DEEMED TO BE UNIVERSITY)

M.B.B.S Phase-III (Part I) Degree examination June 2024

Time:3 hours

Max Marks:100

COMMUNITY MEDICINE - PAPER 1

*Your answer should be specific to the question asked
Draw neat and labeled diagrams wherever necessary*

LONG ESSAY

2 X 10 = 20 Marks

1. Define Epidemiology. Classify Epidemiological study designs. What are the differences between case control and cohort studies? (2+3+5)
2. Explain the concept of natural history of a disease and illustrate with the help of a diagram. (6+4)

SHORT ESSAY

10 X 5 = 50 Marks

3. Enumerate risk factors. Describe the concept of Risk Approach with example. (2+3)
4. Discuss various Health Education methods for Mass Education
5. What is sanitary well? Describe the criteria for a sanitary well. (2+3)
6. What is Systematic Random Sampling? Explain with an example.(2+3)
7. Describe the epidemiological triad for drug dependence.
8. What is High Risk Screening? Explain with examples. (2+3)
9. Mention the anthropometric measurements used for assessing the nutritional status of the children.
10. What is broken family and what are impact of broken family on community?
11. Enumerate occupational cancers with their causative agents and various measures to prevent them. (3+2)
12. Define Eugenics. Explain negative and positive eugenics with examples. (1+2+2)

SHORT ANSWERS

10 X 3 = 30 Marks

13. Differentiate between an Index case and a Primary case.
14. Enumerate the methods used in nutritional status assessment.
15. What is Germ theory of disease causation?
16. What is Bagassosis?
17. Explain predictive accuracy of a screening test with examples.
18. Describe Epidemiological Triad. Give example
19. What is 'Socratic' Method of communication? Mention its advantages.
20. List the diseases transmitted by rats.
21. What is consanguinous marriage? List its importance in genetic diseases.
22. What is Student t test? What are its uses?

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COMMUNITY MEDICINE - PAPER 2

*Your answer should be specific to the question asked
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LONG ESSAY

2 X 10 = 20 Marks

1. What is Exclusive Breast feeding? Enumerate the benefits of breastfeeding to the child and the mother. (2+4+4)
2. Describe the epidemiological factors and control measures for road traffic accidents? (5+5)

SHORT ESSAY

10 X 5 = 50 Marks

3. What is Disaster mitigation? Mention the steps in Disaster mitigation. (2+3)
4. What is epidemiological transition ? Discuss the hazards of epidemiological transition in India. (2+3)
5. Describe epidemiological determinants of poliomyelitis.
6. Discuss cost-effective analysis with an example.
7. Discuss the concept of "Maternal near miss" and What are the 3 Delays ? (3+2)
8. Who are the beneficiaries of Anganwadi? What are the functions of Anganwadi Worker(2+3)
9. What is the Treatment plan for a child with dehydration according to IMNCI?
10. Define Total fertility rate and discuss the factors influencing fertility in India. (2+3)
11. What is the importance biomedical waste management? What are the different stages in biomedical waste management?
12. Enumerate the Functions of WHO.

SHORT ANSWERS

10 X 3 = 30 Marks

13. Define Infant Mortality Rate.
14. Expand GOBI FFF.
15. What are the parameters of dengue surveillance?
16. What is avoidable blindness? Give three examples.
17. Describe the National Family Indemnity Scheme(NFPIS).
18. What is the causative agent for COVID-19 and the risk groups for its causation?
19. Define Disaster. Give TWO examples for man-made disasters.
20. List the bio-medical waste types that are NOT to be incinerated.
21. List the health promotional activities to the school children
22. What is Network analysis? List the types of network analysis.

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COMMUNITY MEDICINE - PAPER 1

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LONG ESSAY (Answer any 2)

2 X 10 = 20 Marks

1. Describe the functioning of modern sewage treatment plants with suitable illustrations.
2. What is Health Education? Describe the various methods of Health Communication. (2+8)
3. Define Epidemiology. Classify Epidemiological studies. Describe the steps involved in Case Control study with example. (1+3+6)

SHORT ESSAY (Answer any 10)

10 X 5 = 50 Marks

4. Describe the Dimensions of Health.
5. Mention air pollutants. Describe the global effects of air pollution. (2+3)
6. What is Hardy Weinberg Law? Enumerate the factors that affect it. (3+2)
7. Describe the different measures to control housefly
8. Mention the anthropometric measurements used for assessing the nutritional status of the children.
9. What is Pictogram? Illustrate with an example. (2+3)
10. Briefly explain the role of medico-social worker in promoting health.
11. What are the various methods of health education for Groups? Write in brief about Role play.(2+3)
12. Describe sensitivity and specificity of a screening test.
13. What is Drug Addiction? Describe the symptoms of drug addiction. (2+3)
14. Describe the Health Problems due to Industrialization.
15. Describe Prevention of Food Adulteration Act. Mention Four important food adulterants. (3+2)

SHORT ANSWERS (No choices)

10 X 3 = 30 Marks

16. What is Vaccine Vial Monitor (VVM)? Mention its importance.
17. What is Standard Error? Mention its importance.
18. What is Iceberg Phenomina in Disease?
19. What is Bagassosis?
20. What is a Problem family?
21. Name 2 screening tests each for: a) Cancer b) Occupational disease and c) Congenital malformations. (1+1+1)
22. Describe the salient features of Food Pyramid.
23. What is Mechanical Composting?
24. What are the types of Barriers of Communication? Give examples
25. List the social and environmental factors associated with mental ill-health.

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COMMUNITY MEDICINE - PAPER 2

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LONG ESSAY (Answer any 2)

2 X 10 = 20 Marks

1. Describe the epidemiology of measles. What are preventive and control measures of measles? (5+5)
2. Define Demography. Enumerate the vital events contributing the population of a country. Describe the various stages in demographic cycle with suitable examples. (2+2+6)
3. Enumerate the National Health Programmes in India. Describe the objectives and strategies of RNTCP. (4+6)

SHORT ESSAY (Answer any 10)

10 X 5 = 50 Marks

4. What is the importance biomedical waste management? What are the different stages in biomedical waste management?
5. What is MDR tuberculosis? List the reasons for increase in MDRTB in India.
6. Describe the uses of growth charts.
7. What is Disaster preparedness? List the components of Disaster preparedness. (2+3)
8. What is epidemiological transition ? Discuss the hazards of epidemiological transition in India. (2+3)
9. Discuss the lifestyle modifications to manage hypertension.
10. Define Family planning. Mention the services provided under family planning program in India. (2+3)
11. What is the Treatment plan for a child with dehydration according to IMNCI?
12. Who is ASHA? What are the functions of ASHA?
13. Expand UNICEF. Describe the activities of UNICEF in India. (1+4)
14. What is Community Participation? Explain with an example its importance in primary health care.
15. Define Juvenile delinquency and list the causes for the same (2+3)

SHORT ANSWERS (No choices)

10 X 3 = 30 Marks

16. What is meant by completed family size?
17. Enumerate and define three flea indices.
18. Enumerate the vaccinations and their schedule to a school child.
19. What is Sentinel surveillance in National AIDS control programme?
20. What is meant by PPBS?
21. List the types of wastes included in the Yellow category under the new Bio-Medical Waste Management Rules, 2016.
22. What are the cardinal signs of Leprosy?
23. Enumerate the steps in Disaster mitigation.
24. Mention the measures for early detection of breast cancer.
25. Define still-birth.