

SRI DEVRAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH
(A DEEMED TO BE UNIVERSITY)

M.B.B.S Phase-III (Part I) Degree Examination APRIL 2021

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. What is Pneumoconiosis? Describe the clinical & epidemiological aspects of Silicosis and mention its preventive measures. (2+4+4)
2. Describe the role of vectors in disease transmission and mention the various measures to control the vectors.(5+5)

SHORT ESSAY

10 X 5 = 50 Marks

3. Describe the chemical standards of drinking water.
4. Name four substances used for Substance abuse .Discuss the factors associated with substance abuse.(2+3)
5. Define epidemiology. What are the uses of epidemiology. (1+4)
6. Define Health Education. Describe the various stages of adoption of new ideas and practices with example.(2+3)
7. Define prevalence of disease. Describe the types of the same. (1+4)
8. What is Systematic Random Sampling? Explain with an example.(2+3)
9. Draw a schematic diagram of Natural history of disease and explain with example.
10. Describe Prevention of Food Adulteration Act. Mention Four important food adulterants. (3+2)
11. Describe the steps in conducting a randomised control trial.
12. What are the criteria for an investigation to be accepted as a screening test?

SHORT ANSWERS

10 X 3 = 30 Marks

13. What is food fortification? Give examples.
14. Discuss the role of Record linkage as a source of Health Information.
15. What are cohort studies? Mention the types. (1+2)
16. Mention the preventive measures against Radiation exposure.
17. What is Standard deviation?
18. Mention the salient features of Group Discussion.
19. Enumerate 6 functions of family.
20. Mention THREE important sources of essential fatty acids.
21. Enlist the determinants of health.
22. Name 2 screening tests each for: a) Cancer b) Occupational disease and c) Congenital malformations. (1+1+1)



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COMMUNITY MEDICINE - PAPER 2

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LONG ESSAY

2 X 10 = 20 Marks

1. Define Primary Health Care. Discuss the elements of primary health care. (2+8)
2. Describe the Epidemiological features of oral cancers in India.

SHORT ESSAY

10 X 5 = 50 Marks

3. Describe antigenic variations of influenza virus. Explain the case management of H1N1.
4. Describe epidemiological determinants of poliomyelitis.
5. Describe the functions of the WHO
6. Discuss the problems of adolescent children.
7. What is post-coital contraception and its importance? Mention the methods available of the same (2+3)
8. Describe the preventive measures against COVID 19
9. Discuss the functions of Health Assistant Female
10. Compare and contrast cost effective and cost benefit analysis in health care management
11. Describe components of APGAR score in newborn care and mention its importance (3+2)
12. Define HIGH risk approach in antenatal care. List the HIGH risk conditions in pregnancy.

SHORT ANSWERS

10 X 3 = 30 Marks

13. Differentiate between MDR TB and XDR TB.
14. What are the hazards of obesity ?
15. What is Disaster mitigation
16. Define Sex ratio.Mention two conditions which affect Sex composition of a population.
17. What is the treatment regimen for multi-bacillary Leprosy as per NLEP?
18. What are the methods of disposal of Hospital sharp waste
19. What is avoidable blindness?Give three examples.
20. What is the role of World Bank in the field of Health?
21. Define Net Reproduction Rate (NRR). Interpret the meaning of NRR = 1.
22. What is the importance of Night blood examination in Filarial survey?



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COMMUNITY MEDICINE - PAPER 1

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LONG ESSAY (Answer any 2)

2 X 10 = 20 Marks

1. What is the scope of ESI Act? Describe in detail the Medical benefits and Extended sickness benefit provided under this act. (4+6)
2. Describe the functioning of modern sewage treatment plants with suitable illustrations.
3. Enumerate the Indicators of Health. Describe about health indicators (2+8)

SHORT ESSAY (Answer any 10)

10 X 5 = 50 Marks

4. Enumerate risk factors. Describe the concept of Risk Approach with example. (2+3)
5. Compare and contrast case control and cohort studies.
6. Discuss various Health Education methods for Mass Education.
7. What are the uses of epidemiology?
8. Define prevalence of disease. Describe the types of the same. (1+4)
9. Mention the Medical Measures for prevention of Occupational Diseases. What is Pre Placement examination and give example. (2+3)
10. What is Systematic Random Sampling? Explain with an example.(2+3)
11. Mention the types of family. Discuss the advantages and disadvantages of them. (2+3)
12. Explain Sample Registration System.Mention its uses.
13. What is screening for a disease? What are the criteria for a disease to be screened.(2+3)
14. What is Vaccine Vial Monitor (VVM)? Describe its role in cold chain. (1+4)
15. Describe cross ventilation. Mention its health benefits.

SHORT ANSWERS (No choices)

10 X 3 = 30 Marks

16. What are the uses of Descriptive epidemiological studies?
17. What is health spectrum?
18. Mention the preventive measures for Lead Poisoning.
19. What is folk media? Give three examples.
20. What are the uses of Incidence rate and Prevalence rate?
21. What are the measures of central tendency?
22. Differentiate between an Index case and a Primary case.
23. Enumerate 6 functions of family.
24. What is balanced diet?
25. What is census?



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COMMUNITY MEDICINE - PAPER 2

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LONG ESSAY (Answer any 2)

2 X 10 = 20 Marks

1. What is primary health care, Describe the principles with suitable examples
2. A 4 year old male child is brought to your Primary Health Centre (PHC) with complaints of loose stools and vomiting for the past 3 days. How would you manage the child
3. Describe the epidemiological determinants of Syphilis and its prevention and control. (5+5)

SHORT ESSAY (Answer any 10)

10 X 5 = 50 Marks

4. What is emergency contraception ? List the methods of emergency contraception. (2+3)
5. Who are the beneficiaries of Anganwadi? What are the functions of Anganwadi Worker(2+3)
6. What are the preventive measures against COVID 19.
7. What are the functions of the Medical officer at primary health centre
8. Describe the uses of growth charts.
9. What is the importance of International certificate of vaccination against yellow fever.
10. Describe the Epidemiological features of oral cancers in India
11. What is the Treatment plan for a child with ARI according to IMNCI?
12. Illustrate the diagnostic algorithm of diagnosis of pulmonary tuberculosis in an adult as per NTEP.
13. Describe the Post exposure prophylaxis in a case of dog bite.
14. Discuss PERT with the help of a diagram.
15. What are the problems of geriatric population and mention the national programmes for them. (3+2)

SHORT ANSWERS (No choices)

10 X 3 = 30 Marks

16. What are the vaccination regimen for Hepatitis B?
17. Mention risk factors of Hypertension.
18. Mention the average composition of hospital waste in India.
19. Mention the adverse effects of oral contraceptive pills.
20. Mention two drugs along with dose and dosage used for chemoprophylaxis for Malaria.
21. What is meant by At-Risk infants.
22. What is essential obstetric care?
23. What are the advantages of Zinc supplementation in diarrhoea prevention?
24. What do you mean by Antigenic shift and Antigenic drift?
25. Define Disaster. Give TWO examples for man-made disasters.

