

# Rajiv Gandhi University of Health Sciences

M.B.B.S. PHASE III (Part-I) Degree Examination - January 2008

Time : 3 Hrs.

[Max. Marks: 100]

## COMMUNITY MEDICINE - PAPER II (Revised Scheme)

QP Code: 1064

Your answers should be specific to the questions asked.  
Draw neat labeled diagrams wherever necessary.

### LONG ESSAY

2 X 10 = 20 Marks

1. What is "At risk approach"? List the high risk pregnancies in antenatal care and describe how you would prevent them
2. Describe in detail importance and objectives of school health services in India. Mention various aspects of school health services which are to be provided

### SHORT ESSAY

10 X 5 = 50 Marks

3. Factors responsible for population explosion in India
4. Medical termination of pregnancy act 1971
5. Conventional contraceptives
6. Complications of measles
7. Public health importance of chandlers index
8. List the Ricketisial diseases
9. Health problems in old age
10. Growth monitoring in children
11. Man made disasters
12. Importance of net reproduction rate

### SHORT ANSWERS

10 X 3 = 30 Marks

13. List the diseases transmitted by Rats
14. List the demographic processes
15. Causes of infant mortality in India
16. List the activities of WHO
17. List the Reemerging infectious diseases
18. List the vaccines against rabies as post exposure prophylaxis
19. Define disaster
20. Voluntary counseling and testing centre
21. Presumptive versus radical treatment in malaria
22. Slow viral diseases

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Time : 3 Hrs.

[Max. Marks : 100]

**COMMUNITY MEDICINE - PAPER I (Revised Scheme)****QP Code: 1063**Your answers should be specific to the questions asked.  
Draw neat labeled diagrams wherever necessary.**LONG ESSAY****2 X 10 = 20 Marks**

1. Classify Occupational Diseases. Describe the various measures for the prevention of occupational diseases
2. How do you assess the Nutritional Status of a Community?

**SHORT ESSAY****10 X 5 = 50 Marks**

3. What is meant by active immunity?
4. What are the differences between Cohort and Case control studies?
5. What are the various methods of solid waste disposal?
6. Enlist the Dietary Goals
7. What are the minimum standards required for slaughter houses?
8. What are the various methods used for purification of water on a small scale?
9. What is the difference between standard deviation and standard error?
10. What are the various anti rodent measures?
11. What is meant by preplacement examination?
12. What are the cultural factors in health and disease?

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

13. What are the various food standards?
14. List the dimensions of health
15. What is meant by spectrum of health?
16. What is web of causation of disease?
17. What are the different types of Epidemics?
18. What is relative risk?
19. Write about Mid-day meal programme
20. When is water safe and wholesome for human consumption?
21. Comfort zones
22. Pie chart

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**COMMUNITY MEDICINE (Old Scheme)****QP Code: 1010**

Your answers should be specific to the questions asked.  
Draw neat labeled diagrams wherever necessary.

**LONG ESSAY****2 X 10 = 20 Marks**

1. Enumerate the various national health programmes in India. Write in detail about any one of them
2. Define perinatal mortality rate. What are the causes and preventive measures of perinatal mortality

**SHORT ESSAY****10 X 5 = 50 Marks**

3. Anti-Typhoid vaccine
4. SARS
5. Danger signals of cancer
6. Chandler's index
7. Assessment of obesity
8. Factories Act
9. Mass media
10. Primary health care
11. Sub - centre
12. I L O

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

13. Primordial prevention
14. Uses of growth chart
15. Health problems of the aged
16. Characteristics of sanitary well
17. Cold chain system
18. P E R T
19. Types of families
20. Social factors in sexually transmitted diseases
21. Pneumoconiosis
22. Material mortality rate

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# Rajiv Gandhi University of Health Sciences

M.B.B.S. PHASE III (Part-I) Degree Examination - July 2008

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Time : 3 Hrs.

[Max. Marks: 100]

## COMMUNITY MEDICINE - PAPER II (Revised Scheme)

QP Code: 1064

Your answers should be specific to the questions asked.  
Draw neat labeled diagrams wherever necessary.

### LONG ESSAY

2 X 10 = 20 Marks

1. Define Couple protection rate and discuss the various contraceptive methods used for family planning
2. Describe the set up and functions of a PHC

### SHORT ESSAY

10 X 5 = 50 Marks

3. Radical treatment for malaria
4. Epidemiology of stroke
5. Prevention of blindness
6. Rural health scheme
7. International red cross
8. Discuss the revised national tuberculosis control programme
9. HIV sentinel Surveillance
10. Discuss about health problem of aged
11. Prophylaxis for Rabies
12. Operational research

### SHORT ANSWERS

10 X 3 = 30 Marks

13. List the strategies of Polio eradication
14. What is Net reproduction rate?
15. Write briefly on the use of Growth chart
16. What are the non-modifiable risk factors for hypertension?
17. Primary prevention of Rheumatic disease
18. Oral Rehydration therapy
19. What is the importance of perinatal mortality rate?
20. How screening for Breast cancer is done?
21. Write briefly on FAO
22. What do you mean by Critical path method?

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# Rajiv Gandhi University of Health Sciences

M.B.B.S. PHASE III (Part-I) Degree Examination - July 2008

Time : 3 Hrs.

[Max. Marks : 100]

## COMMUNITY MEDICINE - PAPER I (Revised Scheme)

QP Code: 1063

Your answers should be specific to the questions asked.  
Draw neat labeled diagrams wherever necessary.

13

### LONG ESSAY

2 X 10 = 20 Marks

1. What are the guidelines for drinking water quality-criteria and standards?
2. What are the contents and principles of health education?

### SHORT ESSAY

10 X 5 = 50 Marks

3. What are the measures of Dispersion?
4. Write briefly about Census
5. What are the causes of mental ill health?
6. What are the medical benefits under E.S.I Act?
7. Write about Occupational cancer
8. What are various mosquito control measures?
9. What is an Oxidation pond?
10. Enumerate the community nutrition programmes
11. How do you assess the dietary intake?
12. What are the uses of Epidemiology?

### SHORT ANSWERS

10 X 3 = 30 Marks

3. Explain Physical Quality of Life Index (PQLI)
14. List the morbidity indicators
15. Distinguish between elimination and eradication
16. What is International death certificate?
17. Write about common source epidemic
18. What are the different types of blinding?
19. Write briefly about Cold chain system
20. What is social pathology?
21. Write about medico-social worker
22. What are biological effects of Radiation?

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# Rajiv Gandhi University of Health Sciences

M.B.B.S. PHASE III (Part-I) Degree Examination - July 2008

14

Time: 3 Hours

[Max. Marks: 100]

## COMMUNITY MEDICINE (Old Scheme)

QP Code: 1010

Your answers should be specific to the questions asked.  
Draw neat labeled diagrams wherever necessary.

### LONG ESSAY

2 X 10 = 20 Marks

1. What are the diseases covered under National Vector Borne Disease Control Programme? Describe the programme strategy for one of them
2. What is the difference between Family Planning and Family Welfare? Describe the components of RCH programme

### SHORT ESSAY

10 X 5 = 50 Marks

3. Mosquito control measures
4. Principles of Primary Health Care
5. Uses of epidemiology
6. Sample Registration System
7. Family life cycle
8. Causes of infant mortality in India
9. SAFE strategy
10. Prudent diet
11. Tricking filter
12. WHO strategy for elimination of measles

### SHORT ANSWERS

10 X 3 = 30 Marks

13. WHO definition of Blindness
14. Health Services Research
15. PERT
16. High risk screening
17. ASHA
18. Secondary attack rate
19. Primordial prevention
20. Active surveillance
21. Quarantine
22. Pasteurization of milk

# Rajiv Gandhi University of Health Sciences

M.B.B.S. PHASE III (Part-I) Degree Examination - January 2009

15

Time : 3 Hrs.

[Max. Marks: 100]

## COMMUNITY MEDICINE - PAPER II (Revised Scheme)

QP Code: 1064

Your answers should be specific to the questions asked.  
Draw neat labeled diagrams wherever necessary.

### LONG ESSAY

2 X 10 = 20 Marks

1. Describe the Epidemiology, prevention and control of Tetanus
2. Define primary health care. What are its components? Describe how primary health care is provided to rural areas in India

### SHORT ESSAY

10 X 5 = 50 Marks

3. Write about oral polio vaccine
4. What are the steps involved in the investigation of food poisoning?
5. How can we prevent Road Accidents?
6. Write about various child health problems
7. What are the causes of Perinatal Mortality?
8. What are the growth charts used in India?
9. What are the natural family planning methods?
10. Write about life expectancy
11. Write about modified plan of operation under NMEP
12. How can we prevent blindness?

### SHORT ANSWERS

10 X 3 = 30 Marks

13. What is meant by Appropriate Technology?
14. Distinguish between Data and Information
15. Write about Supplementary Nutrition
16. What is meant by Menstrual Regulation?
17. What is Dependency Ratio?
18. What is Cancer Registration?
19. Write about Post-Exposure prophylaxis for HIV
20. What are Candidate Vaccines for Leprosy?
21. What are Flea Indices?
22. What are the indications for anti-rabies treatment?

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# Rajiv Gandhi University of Health Sciences

M.B.B.S. PHASE III (Part-I) Degree Examination - January 2009

16

Time : 3 Hrs.

[Max. Marks : 100]

## COMMUNITY MEDICINE - PAPER I (Revised Scheme)

### QP Code: 1063

Your answers should be specific to the questions asked.  
Draw neat labeled diagrams wherever necessary.

#### LONG ESSAY

2 X 10 = 20 Marks

1. Enumerate the indicators of health. Describe all the mortality indicators with suitable examples. What are the methods of standardization the mortality rate?
2. Describe screening for diseases in terms of definition, types, uses, criteria for selection for disease and selection for screening test

#### SHORT ESSAY

10 X 5 = 50 Marks

1. Write a short note on biological transmission of diseases through vectors
4. What is primordial prevention? Explain with suitable examples
5. Validity of a screening test
6. Write a short note on pneumoconiosis
7. What are the uses of Growth chart?
8. Geographic distribution of diseases and its relevance in epidemiology
9. Enumerate the determinants of health
10. Describe the lifestyles affecting our health
11. Define the terms
  - a) Food adulteration
  - b) Food fortification
12. Write a short note on Iodine deficiency disorders

#### SHORT ANSWERS

10 X 3 = 30 Marks

13. Incubation period
14. Faecal borne diseases
15. Sources of health information
16. Types of carriers
17. How do you determine the chlorine in drinking water?
18. Enumerate occupational cancers
19. Advantages of cohort studies
20. Diseases transmitted through house flies
21. Milk borne diseases
22. Methods of disinfection of sputum



# Rajiv Gandhi University of Health Sciences

M.B.B.S. PHASE III (Part-I) Degree Examination - January 2009

17

Time: 3 Hours

[Max. Marks: 100]

## COMMUNITY MEDICINE (Old Scheme)

QP Code: 1010

Your answers should be specific to the questions asked.  
Draw neat labeled diagrams wherever necessary.

### LONG ESSAY

2 X 10 = 20 Marks

1. Discuss the role of cultural factors influencing health and disease
2. Describe the epidemiology and control of pulmonary tuberculosis

### SHORT ESSAY

10 X 5 = 50 Marks

3. Prevention and control of hepatitis A
4. Investigation of food poisoning in a boy's hostel
5. Pulse polio immunisation
6. Anti-Rabies immuno prophylaxis
7. Demographic cycle
8. Spacing methods in family planning
9. Indicators of M C H care
10. Principles of primary health care
11. Midday school meal
12. Functions of primary health centre

### SHORT ANSWERS

10 X 3 = 30 Marks

3. Differentiate between disease elimination and eradication of diseases
14. Primordial prevention
15. Nutritional anemia
16. Influence of fluoride content of water on health
17. Effects of radiation on health
18. Influence of housing on health
19. Filarial indices
20. Sensitivity of screening test
21. Medical benefit under E S I Act
22. Oral rehydration therapy

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# Rajiv Gandhi University of Health Sciences

M.B.B.S. (PART – I), III Professional Examination - June/July 2009

18

Time: 3 Hrs.

[Max. Marks: 100]

## COMMUNITY MEDICINE - PAPER II (Revised Scheme II)

### QP Code: 1089

Your answers should be specific to the questions asked.  
Draw neat labeled diagrams wherever necessary.

#### LONG ESSAY

**2 X 10 = 20 Marks**

1. Describe the Natural history of Tetanus and outline the strategies adopted for its prevention
2. What are the Health problems of the aged and how will you control them?

#### SHORT ESSAY

**10 X 5 = 50 Marks**

3. List out the basic steps involved in Evaluation
4. Functions of multi purpose health assistant (female)
5. World Health Organisation
6. Advantages and contraindications for Intra-uterine device
7. National Cancer Control programme
8. Maternal Mortality Rate
9. Health Hazards of health care waste
10. List out the principles of Health education
11. Intensified pulse Polio programme
12. Mass chemotherapy in filariasis control

#### SHORT ANSWERS

**10 X 3 = 30 Marks**

13. Accredited social health activist
14. What are the risk factors for Coronary Heart Diseases?
15. Brief out the indigenous systems of medicine in India
16. Rockefeller foundation
17. Input-output analysis
18. Shrivastav committee, 1975
19. Vaccine for meningococcal meningitis
20. Diarrhoeal disease control programme
21. Baby friendly hospitals
22. Street children

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# Rajiv Gandhi University of Health Sciences

M.B.B.S. PHASE III (Part-I) Degree Examination - June/July 2009

19

Time : 3 Hrs.

[Max. Marks: 100]

## COMMUNITY MEDICINE - PAPER II (Revised Scheme)

QP Code: 1064

Your answers should be specific to the questions asked.  
Draw neat labeled diagrams wherever necessary.

### LONG ESSAY

2 X 10 = 20 Marks

1. Describe the problem of tuberculosis in India. Describe the natural history of disease and control measures for tuberculosis
2. Define management. Describe the management methods and techniques

### SHORT ESSAY

10 X 5 = 50 Marks

3. Prevention of genetic disorders
4. Demographic cycle
5. Duties of medical officer in primary health centre
6. Family cycle
7. Juvenile Delinquency
8. Barrier methods of family planning
9. Causes of maternal mortality
10. National leprosy eradication programme
11. Screening for cancers
12. Risk factors in coronary heart disease

### SHORT ANSWERS

10 X 3 = 30 Marks

13. Vaccination against yellow fever
14. List the parameters used for measurement of malaria
15. Extrinsic incubation period
16. Dengue shock syndrome
17. Australian antigen
18. List the vaccine preventable diseases
19. Vectors of Japanese Encephalitis
20. CARE
21. Mention the steps in planning cycle
22. Demographic gap

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# Rajiv Gandhi University of Health Sciences

M.B.B.S. (PART - I), III Professional Examination - June/July 2009

20

Time: 3 Hrs.

[Max. Marks: 100]

## COMMUNITY MEDICINE - PAPER I (Revised Scheme II)

### QP Code: 1088

Your answers should be specific to the questions asked.  
Draw neat labeled diagrams wherever necessary.

#### LONG ESSAY

2 X 10 = 20 Marks

1. What is chain of infection? What are the various modes of disease transmission?
2. What are the various methods used in health communication?

#### SHORT ESSAY

10 X 5 = 50 Marks

3. Describe the concept of disability with an example
4. Classification of carriers
5. Occupational hazards of agricultural workers
6. Warning signals of poor mental health
7. Comparison of growth monitoring and nutritional surveillance
8. Concept of "lead time"
9. Propagated epidemic
10. Spectrum of Iodine deficiency disorders
11. Anthropometry
12. Pasteurization of milk

#### SHORT ANSWERS

10 X 3 = 30 Marks

13. Amplifier hosts in Zoonoses
14. Risk factors for Road traffic accidents
15. Definitions of control, Elimination and Eradication
16. Record linkage
17. Spurious association
18. Contingency table
19. Effects of atmospheric pressure on health
20. Assessment of dietary intake
21. Exotic diseases with examples
22. Histogram

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# Rajiv Gandhi University of Health Sciences

M.B.B.S. PHASE III (Part-I) Degree Examination - June/July 2009

21

Time : 3 Hrs.

[Max. Marks : 100]

## COMMUNITY MEDICINE - PAPER I (Revised Scheme)

QP Code: 1063

Your answers should be specific to the questions asked.  
Draw neat labeled diagrams wherever necessary.

### LONG ESSAY

2 X 10 = 20 Marks

1. Define Refuse and discuss the methods of solid waste disposal
2. Define health education and describe the various approaches and applications of health education

### SHORT ESSAY

10 X 5 = 50 Marks

3. What are the determinants of health?
4. Validity of screening test
5. Community diagnosis
6. Discuss various methods of nutritional assessment of a community
7. Discuss the role of nutritional factors in the causation of cancer
8. Milk borne diseases
9. How can one prevent the hazards of agricultural occupation in India?
10. Notification of diseases
11. What measures can be taken to protect the workers health?
12. What are the various concepts related to causation of disease?

### SHORT ANSWERS

10 X 3 = 30 Marks

3. What is Physical Quality of Life Index (PQLI)?
14. Differentiate between endemic and epidemic
15. What is break point chlorination?
16. Causes and prevention of Occupational dermatitis
17. Cultural factors in health and disease
18. What is comprehensive mental health programme?
19. Write short notes on common sampling techniques
20. What is Bias in Epidemiological Studies?
21. Write briefly on itch mite
22. What is the contribution to medical sciences by:
  - a) Edward Jenner
  - b) Ronald Ross
  - c) Louis Pasteur

# Rajiv Gandhi University of Health Sciences

M.B.B.S. PHASE III (Part-I) Degree Examination - June/July 2009

22

Time: 3 Hours

[Max. Marks: 100]

## COMMUNITY MEDICINE (Old Scheme)

QP Code: 1010

Your answers should be specific to the questions asked.  
Draw neat labeled diagrams wherever necessary.

### LONG ESSAY

2 X 10 = 20 Marks

1. Enumerate important epidemiological indices to measure the problems of tuberculosis. Describe in brief diagnosis of pulmonary tuberculosis and different regimens recommended in RNTCP
2. What is malnutrition? Write in brief method to assess the nutritional status of children below 5 years in the community

### SHORT ESSAY

10 X 5 = 50 Marks

1. Salient features of national population policy
2. Job responsibilities of health workers male
3. Biological transmission of arthropod borne disease
4. Social & cultural factors affecting health & diseases
5. Voluntary health agencies in India
6. Health promotion in factories Act '1948
7. Social security
8. Chlorination of water
9. Health problems due to industrialization
10. Oxidation pond

### SHORT ANSWERS

10 X 3 = 30 Marks

11. Juvenile delinquency
12. Method of measurements of obesity
13. Principles of health education
14. Social marketing in family planning
15. Beneficiaries in ICDS
16. Demographic gap
17. Heat exhaustion
18. Aedes mosquitoes & disease
19. Cancer screening among the women
20. Cluster sampling

# Rajiv Gandhi University of Health Sciences

M.B.B.S. (PART – I), III Professional Examination - December 2009

23

Time: 3 Hrs.

[Max. Marks: 100]

## COMMUNITY MEDICINE - PAPER II (Revised Scheme II)

### QP Code: 1089

Your answers should be specific to the questions asked.  
Draw neat labeled diagrams wherever necessary.

#### LONG ESSAY

2 X 10 = 20 Marks

1. Describe the epidemiology of Tuberculosis and current strategy in the prevention and control of Tuberculosis
2. What are various methods of treatment and disposal technologies for health-care waste?

#### SHORT ESSAY

10 X 5 = 50 Marks

3. Primary prevention of Amoebiasis
4. List out the indicators of MCH care
5. What are the aims and objectives of Under-Fives' clinic?
6. Prevention and control of hepatitis - B
7. Differential diagnosis of Cholera and food poisoning
8. What are major epidemiological types of malaria in India?
9. Anthropometric measurements in children
10. List out the sources of Health Information
11. Stages of Demographic Cycle
12. Causes of Blindness in India

#### SHORT ANSWERS

10 X 3 = 30 Marks

3. Dynamics of Typhoid fever transmission
14. What are the deformities occurring in the leprosy?
15. Disaster mitigation in health sector
16. Window period
17. Early Neo-natal care
18. Voluntary health organizations
19. Modes of Transmission of Rabies
20. Life expectancy
21. Spacing methods of contraception
22. Growth chart

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# Rajiv Gandhi University of Health Sciences

M.B.B.S. PHASE III (Part-I) Degree Examination - December 2009

24

Time : 3 Hrs.

[Max. Marks: 100]

## COMMUNITY MEDICINE - PAPER II (Revised Scheme)

QP Code: 1064

Your answers should be specific to the questions asked.  
Draw neat labeled diagrams wherever necessary.

### LONG ESSAY

2 X 10 = 20 Marks

1. Describe the reasons for Resurgence of malaria in India
2. Describe Epidemiological factors & control measures for road accidents

### SHORT ESSAY

10 X 5 = 50 Marks

3. Mention in short the factors influencing fertility
4. Write in short about methods of administration and effects of oral contraceptives
5. Mention in brief about factors affecting infant mortality in India
6. Enumerate functions of health assistant male
7. What do you understand by the term Illegitimate child?
8. Enumerate the health problems of school children
9. Enumerate the psychological problems in elderly
10. Write in brief about role of Gram Sevak in Panchayati Raj
11. Define objective, target & goal
12. Add a note on the United Nations Development programme

### SHORT ANSWERS

10 X 3 = 30 Marks

13. Bacillus Cereus food poisoning
14. What is the composition of oral rehydration solution
15. What do you understand by the term treatment completed in tuberculosis?
16. What is Aedes Aegypti index?
17. What are the basic techniques for early detection of breast cancer?
18. What is menstrual induction?
19. What is critical path method?
20. What is triage in disaster management?
21. What are the case finding methods in leprosy?
22. Enumerate the complications of sexually transmitted diseases

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# Rajiv Gandhi University of Health Sciences

M.B.B.S. (Part-I), III Professional Examination - December 2009

25

Time : 3 Hrs.

[Max. Marks : 100]

## COMMUNITY MEDICINE - PAPER I (Revised Scheme II)

QP Code: 1088

Your answers should be specific to the questions asked.  
Draw neat labeled diagrams wherever necessary.

### LONG ESSAY

2 X 10 = 20 Marks

1. Describe the levels of prevention of disease. Apply each level of prevention to the prevention of coronary heart disease in a population
2. What is social security? Describe the benefits under E.S.I scheme

### SHORT ESSAY

10 X 5 = 50 Marks

3. What is Human Development Index (HDI)?
4. How is Randomized controlled trial done?
5. Briefly discuss the various approaches to health education
6. How is Pasteurization of milk carried out? What are the tests done for checking the efficiency of Pasteurization?
7. What are the medical measures for prevention of occupational diseases?
8. What are the methods for determining the bacteriological quality of water?
9. Write short notes on residual insecticides
10. How will you measure morbidity?
11. Food fortification
12. What is lathyrism? How to prevent and control it?

### SHORT ANSWERS

10 X 3 = 30 Marks

13. What is Standardized death rate?
14. Orthotoludine test
15. What are the Maternity benefits under ESI Act?
16. Meaning of the term "Inter-quartile range"
17. What are the Warning signals of poor mental health?
18. Sampling errors
19. What are the types of Epidemics?
20. What do you mean by Breakpoint chlorination?
21. List three sources of health information in India
22. List the Indian Systems of Medicine

# Rajiv Gandhi University of Health Sciences

M.B.B.S. PHASE III (Part-I) Degree Examination - December 2009

26

Time : 3 Hrs.

[Max. Marks : 100]

## COMMUNITY MEDICINE - PAPER I (Revised Scheme)

### QP Code: 1063

Your answers should be specific to the questions asked.  
Draw neat labeled diagrams wherever necessary.

#### LONG ESSAY

2 X 10 = 20 Marks

1. Define epidemiology and discuss the objective of a descriptive study
2. Enumerate the indicators of health and describe physical quality of life index

#### SHORT ESSAY

10 X 5 = 50 Marks

3. Enumerate waterborne diseases and preventive measures, for the same
4. Describe a sanitary well
5. What is sampling, enumerate the techniques?
6. Enumerate food toxins and its effects on health
7. Describe sullivans index
8. What is concurrent disinfection? Give examples
9. What is diet survey? Describe the methods
10. What is sickness absenteeism Enumerate the reasons?
11. Describe the causes of plumbism
12. Describe epidemiological triad with reference to cancer

#### SHORT ANSWERS

10 X 3 = 30 Marks

3. The Factories Act 1948
14. Universal precautions in HIV infection
15. Super chlorination of water
16. Farmers lung
17. Residual insecticides
18. Audio visual aids in health education
19. Confounders in a case control study
20. Diseases transmitted by fomites
21. Contact tracing in sexually transmitted infections
22. Presumptive coliform test

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# Rajiv Gandhi University of Health Sciences

M.B.B.S. PHASE III (Part-I) Degree Examination - December 2009

27

Time: 3 Hours

[Max. Marks: 100]

## COMMUNITY MEDICINE (Old Scheme)

### QP Code: 1010

Your answers should be specific to the questions asked.  
Draw neat labeled diagrams wherever necessary.

#### LONG ESSAY

2 X 10 = 20 Marks

1. What is "Protein Energy Malnutrition"? Describe the method of nutritional assessment in under fives? Discuss the measures for prevention and control of PEM in the community
2. Define immunity. Explain the various types of immunity and immunizing agents: Describe the immunization schedule under the universal immunization programme

#### SHORT ESSAY

10 X 5 = 50 Marks

3. Write about "planning cycle"
4. What is growth monitoring and what are its objectives
5. Define exclusive breast feeding. Enumerate the benefits of breast feeding
6. Content of health education to post natal mothers
7. Define "Primary Health Care". Enumerate the "Essential Elements" and "Guiding Principles" of primary health care
8. Enumerate the beneficiaries and the services under (ICDS) integrated child development scheme
9. Describe the role of UNICEF in improving child survival in India
10. Use of epidemiology
11. What are the major differences between "Case Control" and "Cohort" studies
12. First referral unit (FRU)

#### SHORT ANSWERS

10 X 3 = 30 Marks

13. Network analysis
14. Water borne diseases
15. Post coital contraception
16. Sullivan's index
17. Disaster cycle
18. Sentinel surveillance
19. Point prevalence
20. Secular trend in a disease
21. Growth rate
22. Reference protein

# Rajiv Gandhi University of Health Sciences

M.B.B.S. (PART – I), III Professional Examination -June\July 2010

28

Time: 3 Hrs.

[Max. Marks: 100]

## COMMUNITY MEDICINE - PAPER II (Revised Scheme II)

### QP Code: 1089

Your answers should be specific to the questions asked.  
Draw neat labeled diagrams wherever necessary.

#### LONG ESSAY

**2 X 10 = 20 Marks**

1. Discuss multicausation in diabetes. How do you control diabetes in district?
2. Discuss briefly the functions and organizational aspects of ICDS scheme

#### SHORT ESSAY

**10 X 5 = 50 Marks**

3. Describe the IPPI (intensified Pulse Polio Immunisation) programme
4. Assessment of Obesity
5. Describe the Natural Family Planning methods
6. Describe the purpose and recommendations of shrivastav committee
7. Write short notes on National Health Policy
8. Briefly discuss the services of UNICEF
9. Describe the strategies adopted by the national AIDS control programme
10. Write about the epidemiological features of typhoid fever
11. Discuss briefly about various levels of health care services
12. Describe the National Leprosy Control Programme

#### SHORT ANSWERS

**10 X 3 = 30 Marks**

3. Management of Dengue Hemorrhagic fever
4. Secondary prevention of Hypertension
15. Prevention of measles
16. Write briefly on cancer registries
17. Enumerate the objectives of school health services
18. What is network analysis?
19. How training of local dais is given?
20. How will you prevent Juvenile delinquency?
21. Influenza vaccine
22. Enumerate the health problems of the aged

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# Rajiv Gandhi University of Health Sciences

M.B.B.S. PHASE III (Part-I) Degree Examination - June\July 2010

29

Time : 3 Hrs.

[Max. Marks: 100]

## COMMUNITY MEDICINE - PAPER II (Revised Scheme)

### QP Code: 1064

Your answers should be specific to the questions asked.  
Draw neat labeled diagrams wherever necessary.

#### LONG ESSAY

**2 X 10 = 20 Marks**

1. Describe in brief the Epidemiological features of rabies in human beings. Write in short about the schedule of cell culture vaccine in prevention of rabies
2. Describe risk factors and prevention of cardiovascular diseases

#### SHORT ESSAY

**10 X 5 = 50 Marks**

3. Demographic cycle
4. What is medical termination of pregnancy act 1971?
5. What is mother craft clinics?
6. Enumerate functions of multipurpose worker male
7. Add a note on child labour act, 1986
8. Write in brief functions & objectives of school health service
9. Enumerate chronic diseases more frequent among the elderly
10. Enumerate the functions of central council of health
11. What is cost-benefit analysis?
12. Write in short about Indian Red Cross

#### SHORT ANSWERS

**10 X 3 = 30 Marks**

13. What are Koplik's spots?
14. Mention the dose schedule for oral polio vaccine
15. What is presumptive treatment of malaria?
16. State the modified Jone's criteria in acute rheumatic fever
17. Enumerate benefits of oral contraceptives
18. Enumerate national health programmes of vector-borne diseases in India
19. What is Demographic gap?
20. Target couples
21. Enumerate the uses of growth chart
22. Enumerate the principles of primary health care

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# Rajiv Gandhi University of Health Sciences

## M.B.B.S. (PART – I), III Professional Examination - June/July – 2010

Time: 3 Hrs.

[Max. Marks: 100]

### COMMUNITY MEDICINE - PAPER I (Revised Scheme II)

## QP Code: 1088

Your answers should be specific to the questions asked.  
Draw neat labeled diagrams wherever necessary.

#### LONG ESSAY

**2 X 10 = 20 Marks**

1. Write in detail about " Natural history of disease"
2. Describe various methods of Nutritional Assessment of a community with their merits and demerits

#### SHORT ESSAY

**10 X 5 = 50 Marks**

3. Ice berg phenomenon of diseases meaning and application, with suitable examples
4. Classify Occupational diseases with examples
5. Barriers of communication in Health education
6. Prevention and control of air pollution
7. Compare growth monitoring and nutritional surveillance
8. What are the health problems due to industrialization
9. Differentiate between case control study and cohort study
10. Epidemic curve
11. Integrated vector control measures
12. Describe briefly the methods of purification of water at household level

#### SHORT ANSWERS

**10 X 3 = 30 Marks**

13. What is human development Index
14. Panel discussion
15. Horrock's test
16. What are the causes for Occupational cancers
17. Describe the reasons for the Broken family
18. Census
19. Bar chart
20. Attributable risk
21. Food adulterants
22. Migration studies

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# Rajiv Gandhi University of Health Sciences

M.B.B.S. PHASE III (Part-I) Degree Examination - June\July 2010

32

Time : 3 Hrs.

[Max. Marks : 100]

## COMMUNITY MEDICINE - PAPER I (Revised Scheme)

QP Code: 1063

Your answers should be specific to the questions asked.  
Draw neat labeled diagrams wherever necessary.

### LONG ESSAY

2 X 10 = 20 Marks

1. What is cold chain? Describe the cold chain equipments
2. Describe social factors influencing the health of people

### SHORT ESSAY

10 X 5 = 50 Marks

3. Write in brief about break point chlorination
4. What are the effects of noise exposure on human health?
5. What is the health team concept?
6. What do you understand by cessation experiments?
7. How will you inspect the slaughter house from hygiene point of view?
8. Explain sickness absenteeism
9. What is a stratified random sample?
10. Add a note on Acculturation
11. Write in brief the role of genetic predisposition in common disorders
12. What are the standards of ventilation?

### SHORT ANSWERS

10 X 3 = 30 Marks

13. What is disability limitation?
14. What are the biases in case control study?
15. How will you determine volume of well water?
16. What is Bagassosis?
17. Explain in brief what is a group discussion
18. What is human development index?
19. Write in brief about deficiency of thiamine in diet
20. What is the relationship between prevalence and incidence?
21. What is an epidemiological triad?
22. What is disability-adjusted life year?

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# Rajiv Gandhi University of Health Sciences

M.B.B.S. PHASE - II Degree Examination - June\July 2010

33

Time: 3 Hrs.

[Max. Marks: 100]

## MICROBIOLOGY - PAPER I (Revised Scheme)

### QP Code: 1058

Your answers should be specific to the questions asked.  
Draw neat labeled diagrams wherever necessary.

#### LONG ESSAY

2 X 9 = 18 Marks

1. Enumerate the bacteria causing Diarrhoea. Describe the laboratory diagnosis of Cholera
2. Enumerate various types of Antigen-Antibody reactions and describe the principle and applications of agglutination reactions

#### SHORT ESSAY

10 X 5 = 50 Marks

3. Dark field microscope
4. Tyndallisation
5. R Factor
6. Endotoxins
7. Haptens
8. Alternative pathway of complement activation
9. Enterococci
10. Widal test
11. Non Gonococcal urethritis (NGU)
12. Tuberculin test

#### SHORT ANSWERS

16 X 2 = 32 Marks

13. Morphology of treponema pallidum
14. Neil mooser reaction
15. Four differences between Streptococcus viridans and Pneumococcus
16. L-forms
17. Rapid plasma reagin (RPR) test
18. Name four animals used to cultivate Mycobacterium leprae
19. Prophylaxis for diphtheria
20. X and V factors
21. Two methods for testing the efficacy of an autoclave
22. Morphology of Neisseria meningitides
23. Four examples of Nansporing Anaerobes
24. TAB vaccine
25. Stains used for Corynebacteria
26. Robertsons cooked meat medium (RCM)
27. Nagler reaction
28. What is Satelletism?



# Rajiv Gandhi University of Health Sciences

M.B.B.S. PHASE III (Part-I) Degree Examination - December 2010

33A

Time : 3 Hrs.

[Max. Marks : 100]

## COMMUNITY MEDICINE - PAPER I (Revised Scheme)

### QP Code: 1063

Your answers should be specific to the questions asked.  
Draw neat labeled diagrams wherever necessary.

#### LONG ESSAY

**2 X 10 = 20 Marks**

1. Define anthropometry and its role in classifying nutritional disorders in children and their management
2. Define occupational health. List the occupational hazards. Mention the legislative measures to prevent them

#### SHORT ESSAY

**10 X 5 = 50 Marks**

3. Drug dependence
4. Standard deviation
5. International vaccination certificate
6. Types of ventilation
7. Food toxicities
8. Deflouridation
9. Consanguinous marriage
10. Comfort zones
11. Rickets
12. Primary response

#### SHORT ANSWERS

**10 X 3 = 30 Marks**

13. Double pot method
14. Medico-social worker
15. Disinfection
16. Plumbism
17. Secular trends
18. List the essential aminoacids
19. List the manifestations of vit. A deficiency
20. Eugenics
21. Trace elements
22. John snow

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# Rajiv Gandhi University of Health Sciences

M.B.B.S. (PART – I), III Professional Examination -December 2010

(34)

Time: 3 Hrs.

[Max. Marks: 100]

## COMMUNITY MEDICINE - PAPER II (Revised Scheme II)

### QP Code: 1089

Your answers should be specific to the questions asked.  
Draw neat labeled diagrams wherever necessary.

#### LONG ESSAY

2 X 10 = 20 Marks

1. Describe Epidemiology, prevention and control of measles
2. Define infant mortality rate. Describe role of under – fives clinics to reduce infant mortality

#### SHORT ESSAY

10 X 5 = 50 Marks

3. Write a note on planning cycle
4. Enumerate national demographic goals to be achieved by 2010
5. Enumerate the soil transmitted helminthes and diseases caused by them
6. Explain rule of halves in hypertension
7. List warning signals of cancer, With examples
8. Write a note on benefits of barrier contraceptives, with examples
9. Mention the objectives of antenatal care
10. List the functions of Anganwadi worker
11. Briefly describe the role of NGO's in health care (Non governmental organization)
12. Write advantages of program evaluation review technique

#### SHORT ANSWERS

10 X 3 = 30 Marks

13. Enumerate functions of UNICEF
14. Enumerate health problems of old age
15. Enumerate indicators of child health care
16. What is total fertility rate
17. Enumerate the important zoonatic diseases
18. Define new case, relapse, failure with reference to tuberculosis
19. What is a population pyramid
20. Write in brief principles of school meal programme
21. Enumerate functions of a manager
22. Enumerate human factors in accidents

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# Rajiv Gandhi University of Health Sciences

**M.B.B.S. (PART - I), III Professional Examination - December 2010** 35

Time: 3 Hrs.

[Max. Marks: 100]

## COMMUNITY MEDICINE - PAPER I (Revised Scheme II)

### QP Code: 1088

Your answers should be specific to the questions asked.  
Draw neat labeled diagrams wherever necessary.

#### LONG ESSAY

**2 X 10 = 20 Marks**

1. Define "screening" list and briefly describe the criteria for a good screening test. List and briefly describe the features of a disease which make it suitable for screening.
2. Discuss in detail about the various agents used for disinfection

#### SHORT ESSAY

**10 X 5 = 50 Marks**

3. Measures of central tendency
4. Pneumoconiosis
5. Pasteurization of milk
6. Explain the various methods of Mosquito control
7. Describe the various Occupational cancers
8. Radiation hazards
9. Nutritional surveillance
10. What are the medical benefits under ESI Act?
11. Differentiate between health education and health propaganda
12. Role of culture in health with suitable examples.

#### SHORT ANSWERS

**10 X 3 = 30 Marks**

13. What is sentinel surveillance
14. What are the indices of air pollution
15. Differentiate between the term endemic and epidemic
16. Write short notes on aflatoxins
17. What are the methods of sewage disposal
18. List the warning sign of poor mental health
19. Write briefly on case fatality rate
20. Enumerate the various community Nutrition programmes
21. What is the contribution to medical sciences by  
a) Robert Koch b) John Snow c) James Lind
22. Write briefly on Epidemiological Triad

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# Rajiv Gandhi University of Health Sciences

M.B.B.S. (PART - I), III Professional Examination - June / July 2011

36

Time: 3 Hrs.

[Max. Marks: 100]

## COMMUNITY MEDICINE - PAPER II (Revised Scheme II)

### QP Code: 1089

Your answers should be specific to the questions asked.  
Draw neat labeled diagrams wherever necessary.

#### LONG ESSAY

2 X 10 = 20 Marks

1. Define population explosion. What are the demographic trends in India? What measures do you suggest for the control of population explosion
2. How many infants are dying in India? Why? How do you prevent these deaths?

#### SHORT ESSAY

10 X 5 = 50 Marks

3. What is congenital Rubella Syndrome? How do you assess the probability of its occurrence? Is it possible to prevent it by immunization? How?
4. What is blood safety? How do you ensure blood safety? What is the current policy regarding blood donation?
5. Write the formula for the calculation of maternal mortality rate. What are the problems that kill mothers in India
6. How many millennium development goals are related to the health of the community? What are they? Write about any one of them
7. Write the names of five bacterial agents that can cause Acute Respiratory Infections among children. What is the dose schedule of cotrimoxazole for the treatment of pneumonia among children below 5 years of age, as per the ARI control programme
8. How do you manage a case of Dengue Haemorrhagic fever in a primary Health Center
9. Is it necessary to universally breast feed the babies? Why?
10. How do you calculate Annual parasite incidence? What is the current API in India
11. Why do we take night blood smears? What is the rationale in mass drug administration
12. Define tuberculosis control in the community. Name at least two countries that have controlled TB. How could they do it

#### SHORT ANSWERS

10 X 3 = 30 Marks

13. Mantoux test
14. Mention three gametocidal drugs in malaria control
15. What is the dose of vitamin A solution for a 9 month - old child? Why?
16. What are the common side effects of DPT immunization
17. Fernandez reaction
18. Which vitamin deficiency can cause psychosis? Why?
19. How do you manage post partum haemorrhage in a community health care
20. Write the formulae for calculation of sensitivity and specificity
21. What is the duration of training of a local dai? What does she learn during her training
22. Write six uses of cancer registry

# Rajiv Gandhi University of Health Sciences

M.B.B.S. (PART - I), III Professional Examination - June / July 2011

37

Time: 3 Hrs.

[Max. Marks: 100]

## COMMUNITY MEDICINE - PAPER I (Revised Scheme II)

QP Code: 1088

Your answers should be specific to the questions asked.  
Draw neat labeled diagrams wherever necessary.

### LONG ESSAY

2 X 10 = 20 Marks

1. What are the Modes of Intervention? Discuss briefly about them by giving suitable examples.
2. What are the Host Defence mechanisms? Describe briefly about the various components of the host defence mechanisms

### SHORT ESSAY

10 X 5 = 50 Marks

3. What is the difference between Generation time and Incubation period
4. What are the benefits to the employees under the ESI Scheme
5. What is Residual Chlorine? Is it necessary to have residual chlorine
6. What should be the thickness of plastic bags should they be permitted? Why?
7. What is Spurious Association? How do you prevent it during research studies?
8. What are Secular Trends? How are they useful to the doctors?
9. ~~What are Illusions, Delusions and Hallucinations?~~
10. What are Alcoholic Beverages? Can they give 'empty calories'? why?
11. What are the different sources of health information? What are the disadvantages of hospital records
12. Why human faecal matter needs to be treated before disposal

### SHORT ANSWERS

10 X 3 = 30 Marks

13. Sporadic diseases
14. Attrition
15. Methylene blue test
16. Institute
17. Cancer in Dye industries
18. Mention Tick - borne diseases
19. Difference between Epidemic and Out - break
20. Mode of action of Hand - wash gels
21. Write the formula for the calculation of Relative Risk
22. Physical quality of life index (PQLI)

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9. What do you mean by environmental management?  
Which diseases are controlled by this method?

# Rajiv Gandhi University of Health Sciences

M.B.B.S. PHASE III (Part-I) Degree Examination - June / July 2011

38

Time : 3 Hrs.

[Max. Marks : 100]

## COMMUNITY MEDICINE - PAPER I (Revised Scheme)

### QP Code: 1063

Your answers should be specific to the questions asked.  
Draw neat labeled diagrams wherever necessary.

#### LONG ESSAY

2 X 10 = 20 Marks

1. How will you investigate an outbreak of food poisoning in the school hostel located in your area
2. What do you understand by Natural History of disease? Describe citing an examples of a disease, the types of interventions that are possible within its natural history

#### SHORT ESSAY

10 X 5 = 50 Marks

3. Differences between a screening and a diagnostic test
4. General measures for control of pneumoconiosis
5. How will you measure the health of a community?
6. What are the standards of Housing in rural areas?
7. Methods of sampling
8. Principles for a Diabetic diet
9. Nutritional Rehabilitation: principles and practice
10. Barriers to effective communication
11. Benefits under the Employee State Insurance Scheme
12. Ensuring sanitation barrier in the community

#### SHORT ANSWERS

10 X 3 = 30 Marks

13. Residual chlorine and it's testing in the community
14. Rational for Exclusive breast feeding
15. Panel discussion for Health Education
16. Oxidation pond
17. Effect of vibration on health
18. Non auditory effects of noise on health
19. Endemic fluorosis
20. Food supplementation
21. Warning sign of mental ill health
22. Millennium development Goals

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# Rajiv Gandhi University of Health Sciences

M.B.B.S. (PART – I), III Professional Examination - Dec 2011 / Jan 2012

39

Time: 3 Hrs.

[Max. Marks: 100]

## COMMUNITY MEDICINE - PAPER II (Revised Scheme II)

### QP Code: 1089

Your answers should be specific to the questions asked.  
Draw neat labeled diagrams wherever necessary.

#### LONG ESSAY

2 X 10 = 20 Marks

1. Write about risk factors and complications of Diabetes Mellitus. Add a note on prevention of Diabetes Mellitus
2. Define perinatal mortality. What are the factors responsible for high perinatal mortality rate in developing countries and how can these factors be controlled

#### SHORT ESSAY

10 X 5 = 50 Marks

3. Integrated vector control
4. Functions of Voluntary Health Agencies
5. Measles vaccine
6. Management techniques based on behavioural sciences
7. Functions of World Health Organization (WHO)
8. Prevention of Genetic disorders
9. Write salient features of National Mental Health Programme
10. Community Health Centre
11. How do you measure the burden of coronary heart disease in the community
12. Emergency contraception

#### SHORT ANSWERS

10 X 3 = 30 Marks

13. Describe rash in measles
14. Planning – programming – Budgeting System
15. Enumerate Mendel's laws of inheritance
16. Prevention of neonatal tetanus
17. Central Government Health Scheme
18. Disaster mitigation
19. Secondary prevention of Rheumatic Heart Disease
20. Enumerate objectives of School health programme
21. Social security available for elderly population
22. Indications for medical termination of pregnancy

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# Rajiv Gandhi University of Health Sciences

M.B.B.S. (PART – I), III Professional Examination – Dec 2011 / Jan 2012

40

Time: 3 Hrs.

[Max. Marks: 100]

## COMMUNITY MEDICINE - PAPER I (Revised Scheme II)

### QP Code: 1088

Your answers should be specific to the questions asked.  
Draw neat labeled diagrams wherever necessary.

#### LONG ESSAY

**2 X 10 = 20 Marks**

1. What are the laws meant for the protection of industrial workers? Write in detail about Factories act 1948
2. Define health education. Explain the principles of health education giving examples

#### SHORT ESSAY

**10 X 5 = 50 Marks**

3. Explain iceberg phenomenon in diseases giving example
4. Bias in case control study
5. Role of family in Health and Disease
6. Tests of significance
7. Carriers of disease
8. Write in brief about types of screening giving examples
9. Causes and prevention of lead poisoning
10. Oxidation pond
11. Thermal comfort zone
12. Methods of household disinfection of water

#### SHORT ANSWERS

**10 X 3 = 30 Marks**

13. Aims of epidemiology
14. Quarantine
15. Record linkage
16. Audio visual aids used in health education
17. Stabilized bleach
18. Relative risk
19. Occupational risk to farmers
20. Population genetics
21. Warning signals of poor mental health
22. Sullivan's index

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# Rajiv Gandhi University of Health Sciences

M.B.B.S. PHASE III (Part-I) Degree Examination - June / July 2012

Time : 3 Hrs.

[Max. Marks : 100]

## COMMUNITY MEDICINE - PAPER I (Revised Scheme)

(41)

### QP Code: 1063

Your answers should be specific to the questions asked.  
Draw neat labeled diagrams wherever necessary.

#### LONG ESSAY

2 X 10 = 20 Marks

1. What is Health Education? Discuss how you will organize a Health Education session on Anaemia for village women
2. Who is carrier of infection? What are the types of carriers, give appropriate examples? Write control measures for each of these

#### SHORT ESSAY

10 X 5 = 50 Marks

3. What is a Normal curve and Normal distribution?
4. Describe the Health safety and Welfare provisions under Factories Act
5. What is Weaning and which weaning foods you would recommend for slum children?
6. Factors that lead to juvenile delinquency and what is being done for its prevention
7. What is primary mental health care and how is it implemented
8. Describe chain of disease transmission and control measures based on each
9. Describe the Epidemiological <sup>triad</sup> ~~triad~~ giving suitable examples
10. What is Noise induced hearing loss? How will you diagnose and prevent it?
11. Discuss causes of malnutrition
12. What are the measures to control reservoir of infection?

#### SHORT ANSWERS

10 X 3 = 30 Marks

13. What is a Histogram?
14. Definition of poverty line
15. Stratified Random sampling
16. Methods for pasteurization of milk
17. Socialized medicine
18. Problems in a cohort study
19. Dust control measures in coal mines
20. Required standards for a sanitary well
21. Classify and list national programmes in Nutrition
22. What is Dual Registration system?

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# Rajiv Gandhi University of Health Sciences

M.B.B.S. PHASE III (Part-I) Degree Examination – June / July 2012

Time : 3 Hrs.

[Max. Marks: 100]

## COMMUNITY MEDICINE - PAPER II (Revised Scheme)

QP Code: 1064

Your answers should be specific to the questions asked.  
Draw neat labeled diagrams wherever necessary.

### LONG ESSAY

2 X 10 = 20 Marks

1. Write in detail about 'National Rural Health Mission
2. Explain causes for reduction of maternal mortality in India

### SHORT ESSAY

10 X 5 = 50 Marks

3. Write various anthropometric indices for assessment of nutritional status in children
4. What measures are taken for prevention of blindness in India
5. Comment on 'world health day 2012'
6. Write various provisions under MTP Act 1971
7. What is three - tier system of health care delivery
8. Write the recommendations of Bhore committee
9. What is the 'package of services' provided through ICDS
10. Write merits and demerits of hospital records as source of health information
11. Explain high-risk approach in MCH
12. Explain cluster sampling with examples

### SHORT ANSWERS

10 X 3 = 30 Marks

13. Write uses of health information system
14. What is accident proneness.
15. What is difference between family planning and family welfare
16. Write advantages of management by objectives
17. Define 'community participation' and give example
18. Write the methods to measure the central tendency
19. What are the functions of NGOs in health
20. Write activities of DANIDA in India
21. What is juvenile delinquency
22. List the natural methods of contraception.

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# Rajiv Gandhi University of Health Sciences

M.B.B.S. (PART – I), III Professional Examination – June / July 2012

Time: 3 Hrs.

[Max. Marks: 100]

## COMMUNITY MEDICINE - PAPER I (Revised Scheme II)

(43)

### QP Code: 1088

Your answers should be specific to the questions asked.  
Draw neat labeled diagrams wherever necessary.

#### LONG ESSAY

2 X 10 = 20 Marks

1. Define malnutrition. Describe the causes and clinical features of severe forms of malnutrition. How will you prevent malnutrition in children
2. What is pneumoconiosis? What are the factors that influence causation of pneumoconiosis? What measures are taken to prevent it

#### SHORT ESSAY

10 X 5 = 50 Marks

3. Explain briefly dimensions of health
4. Disability rates
5. Sentinel surveillance
6. Difference between epidemiology and clinical medicine
7. Uses of epidemiology
8. Prevention of food adulteration Act (PFA Act)
9. Occupational cancer
10. Barriers of communication and their prevention
11. Biological transmission of diseases
12. Herd immunity and its importance

#### SHORT ANSWERS

10 X 3 = 30 Marks

13. Modes of intervention
14. Germ theory of disease
15. Symposium
16. Odds ratio
17. Hazards of radiation
18. Balanced diet
19. Acculturation
20. Break point chlorination
21. Food fortification and food enrichment
22. Types of ventilation

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# Rajiv Gandhi University of Health Sciences

M.B.B.S. (PART – I), III Professional Examination - June / July 2012

Time: 3 Hrs.

[Max. Marks: 100]

## COMMUNITY MEDICINE - PAPER II (Revised Scheme II)

(44)

### QP Code: 1089

Your answers should be specific to the questions asked.  
Draw neat labeled diagrams wherever necessary.

#### LONG ESSAY

2 X 10 = 20 Marks

1. Describe the epidemiology, clinical features, prevention and control of measles in a community
2. Describe the causes of maternal mortality in India. Suggest preventive and control measures for reduction of MMR.

#### SHORT ESSAY

10 X 5 = 50 Marks

3. Describe the epidemiology and prevention of accidents
4. What are the principles and elements of primary health care
5. What are the different types of hormonal contraceptives? Write a note on mode of action, contraindications and complications of combined oral contraceptive pills
6. Briefly explain the modes of transmission of Hepatitis B infection
7. Mention the steps involved in eradication of poliomyelitis
8. What are the measures for control of sexually transmitted diseases
9. Cancer registries
10. Describe the job responsibilities of health worker female
11. Describe the case finding tool for diagnosis of tuberculosis under RNTCP. Add a note on reasons for the false positivity and false negativity
12. Describe the salient epidemiological features of dengue syndrome

#### SHORT ANSWERS

10 X 3 = 30 Marks

13. What is exclusive breast feeding? Enumerate the advantages
14. What is a blocked flea
15. Mass drug administration for filariasis
16. What is network analysis
17. Treatment for leprosy
18. Case definition used for diagnosis of AIDS
19. What is Chandler's index
20. What is rule of halves in hypertension
21. What are the uses of growth chart
22. Juvenile delinquency

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Time: Three Hours

Max. Marks: 100 Marks

**COMMUNITY MEDICINE - PAPER I**

**(RS2 & RS3 SCHEME)**

**QP Code: 1088**

Your answers should be specific to the questions asked  
Draw neat labeled diagrams wherever necessary

**LONG ESSAYS**

**2 x 10 = 20 Marks**

1. Enumerate the nutritional problems in public health. Describe in detail Protein-energy malnutrition with respect to its symptoms and preventive measures.
2. Explain the <sup>concepts</sup><sub>levels</sub> of prevention and its mode of intervention with suitable examples.

**SHORT ESSAYS**

**10 x 5 = 50 Marks**

3. Epidemic curve
4. Employees State Insurance Act, 1948
5. Bias in case-control studies
6. How can genetic disorders be prevented in a community?
7. Write briefly the methods of purification of water at household level.
8. Describe Iceberg phenomenon of diseases with suitable examples
9. Write briefly about effects of urbanization on health
10. What is Juvenile delinquency? Add a note on its causes and preventive measures?
11. Explain the barriers of communication in health education
12. Prevention of Vitamin A deficiency disorders

**SHORT ANSWERS**

**10 x 3 = 30 Marks**

13. Physical Quality of Life Index (PQLI)
14. Explain briefly the occupational hazards of agricultural workers
15. Attributable risk
16. What are the uses of screening?
17. What is blinding in randomized controlled trials?
18. Disability limitation
19. Explain in brief <sup>about</sup> group discussion
20. Endemic ascites
21. Medical social worker
22. Registration of vital events

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Time: Three Hours

Max. Marks: 100 Marks

**COMMUNITY MEDICINE - PAPER II  
(RS2 & RS3 SCHEME)**

**QP Code: 1089**

Your answers should be specific to the questions asked  
Draw neat labeled diagrams wherever necessary

**LONG ESSAYS**

**2 x 10 = 20 Marks**

1. Describe the epidemiological determinants, prevention and control measures of plague.
2. Discuss Revised National Tuberculosis Control Programme

**SHORT ESSAYS**

**10 x 5 = 50 Marks**

3. Describe "ASHA"s role and responsibilities under National Rural Health Mission.
4. Malarial indices
5. What is the role of Mass drug administration in controlling lymphatic filariasis?
6. Write briefly about the elements of primary health care
7. Describe the services provided by UNICEF
8. What is disaster preparedness?
9. Define perinatal mortality rate? Enumerate the various causes of perinatal mortality in India.
10. What are the risk factors for hypertension? Discuss briefly its preventive measures.
11. Classify hormonal contraceptives. Write briefly about their adverse effects.
12. Discuss the specific health protection given to the antenatal cases

**SHORT ANSWERS**

**10 x 3 = 30 Marks**

13. Oral Polio Vaccine
14. Mention the uses of growth chart
15. What is Couple Protection Rate
16. Congenital rubella
17. Post-exposure prophylaxis of rabies
18. Epidemiological basis for eradication of small pox
19. Mention the objectives of postpartal care. What are the complications which may arise during postpartal period.
20. Recommendations of Shrivastav Committee
21. Screening for breast cancer
22. Effect of urbanization on health

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# Rajiv Gandhi University of Health Sciences, Karnataka

M.B.B.S. PHASE -III Part I Degree Examination - Jun 2013

47

Time: Three Hours

Max. Marks: 100 Marks

## COMMUNITY MEDICINE - PAPER II (RS2 & RS3 SCHEME)

QP Code: 1089

Your answers should be specific to the questions asked  
Draw neat labeled diagrams wherever necessary

### LONG ESSAYS

2 x 10 = 20 Marks

1. Discuss epidemiology of Malaria. Write briefly about its prevention and control.
2. Define perinatal mortality rate. Describe the measures taken to reduce the same.

### SHORT ESSAYS

10 x 5 = 50 Marks

3. Under-fives clinic
4. Health problems of the elderly
5. Vision 2020
6. Post exposure prophylaxis for Rabies
7. Mass drug administration against Filariasis
8. Functions of World Health Organization
9. Disaster preparedness
10. What is sex-ratio? Add a note on PNDDT Act.
11. Cancer screening in India
12. Prevention of Neonatal tetanus

### SHORT ANSWERS

10 x 3 = 30 Marks

13. Aedes aegypti index
14. Hardy Steinberg law
15. Contributions of Red Cross Society
16. Triage
17. Rule of halves
18. Net reproduction rate
19. Incentives under National family welfare programme
20. Enumerate the causes for maternal mortality in India
21. Vaccine vial monitor
22. DOT Strategy

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# Rajiv Gandhi University of Health Sciences, Karnataka

M.B.B.S. PHASE -III Part I Degree Examination - June 2013

48

Time: Three Hours

Max. Marks: 100 Marks

## COMMUNITY MEDICINE - PAPER I (RS2 & RS3 SCHEME) QP Code: 1088

Your answers should be specific to the questions asked  
Draw neat labeled diagrams wherever necessary

### LONG ESSAYS

2 x 10 = 20 Marks

1. What are the sources and functions of Iodine? Enumerate the spectrum of conditions under Iodine deficiency disorders. Discuss about the components of Iodine deficiency disorders control program.
2. What is a randomized controlled trial? Outline the steps involved in conducting a RCT.

### SHORT ESSAYS

10 x 5 = 50 Marks

3. What are the salient features of carriers? Classify the different types of carriers with examples.
4. What is balanced diet? Write briefly about the recommended dietary goals.
5. What is health information system and what are its uses?
6. Outline the steps involved in disinfection of a well.
7. What are cross-sectional studies? Mention the advantages and limitations of this type of study design.
8. Differentiate between monitoring and surveillance with examples
9. What are the principles of health education?
10. What is neuroleptism? Mention the causes, clinical features and interventions for control of the problem.
11. Write about the different methods of control of arthropods.
12. What are the functions of a family?

### SHORT ANSWERS

10 x 3 = 30 Marks

13. Human development index.
14. Asbestosis
15. Predictive value of a screening test
16. Differentiate between health education and propaganda
17. Measures for the control of noise pollution.
18. What is sanitation barrier?
19. Acculturation
20. Spot map
21. What are nosocomial infections? Give examples
22. What is pasteurization of milk? What are the tests used to check for the efficiency of pasteurization?



# Rajiv Gandhi University of Health Sciences, Karnataka

M.B.B.S. PHASE -III Part I Degree Examination - Dec 2013

199

Time: Three Hours

Max. Marks: 100 Marks

## COMMUNITY MEDICINE - PAPER II (Revised SCHEME) QP Code: 1064

Your answers should be specific to the questions asked  
Draw neat labeled diagrams wherever necessary

### LONG ESSAYS

2 x 10 = 20 Marks

1. What are the objectives and strategies of National Rural Health Mission (NRHM)? Write a note on the job responsibilities of ASHA.
2. Describe the epidemiology, clinical features and control of dengue fever.

### SHORT ESSAYS

10 x 5 = 50 Marks

3. What are the services provided by UNICEF?
4. Who is an ideal candidate for Intra-uterine devices? What are the advantages, contraindications and side-effects of IUDs.
5. Epidemiological determinants of type 2 diabetes mellitus
6. What are the essential elements of antenatal care?
7. What are the different aspects of school health services?
8. Principles on implementation of DOTS
9. Integrated child development services scheme.
10. Low birth weight babies
11. Prevention of avoidable blindness
12. Describe the various stages of demographic cycle with examples.

### SHORT ANSWERS

10 x 3 = 30 Marks

13. What is pre-exposure prophylaxis for rabies?
14. Flea indices
15. What is tracking of blood pressure?
16. Describe the different levels of health care delivery system in India.
17. What is triage in disaster management?
18. What is pre-planning?
19. What is congenital rubella syndrome?
20. Universal precautions
21. Morphological Index and bacterial index in leprosy
22. How is dehydration assessed in a case of acute diarrhea?

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# Rajiv Gandhi University of Health Sciences, Karnataka

M.B.B.S. PHASE -III Part I Degree Examination - Dec 2013

30

Time: Three Hours

Max. Marks: 100 Marks

## COMMUNITY MEDICINE - PAPER II (RS2 & RS3 SCHEME)

QP Code: 1089

Your answers should be specific to the questions asked  
Draw neat labeled diagrams wherever necessary

### LONG ESSAYS

2 x 10 = 20 Marks

1. What are the epidemiological factors contributing to acute diarrhoeal diseases? Discuss briefly about its prevention and control measures.
2. What are the Millenium development goals (MDG's)? Critically analyse India's progress in achieving the goals with respect to maternal and child health.

### SHORT ESSAYS

10 x 5 = 50 Marks

3. Specific Protection for Japanese Encephalitis
4. School Health Programme
5. Salient features of National Programme for control of Blindness
6. Ring Immunisation
7. Strategies for Measles elimination
8. Down's Syndrome
9. Planning Cycle
10. Name important Voluntary health agencies in India. Write briefly about any one of the agency.
11. Prevention of Diabetes mellitus
12. Enumerate functions of multipurpose worker female

### SHORT ANSWERS

10 x 3 = 30 Marks

13. Cost effective analysis
14. Body mass Index
15. Mention the elements of Primary Health Care
16. What is demographic gap?
17. Case definition for malaria
18. What are cancer registries?
19. Recommendations of Bhore Committee
20. Community Health Centre
21. Earthquake mitigation
22. Advantages of Intradermal rabies vaccine

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# Rajiv Gandhi University of Health Sciences, Karnataka

M.B.B.S. PHASE -III Part I Degree Examination – Dec 2013 51

Time: Three Hours

Max. Marks: 100 Marks

## COMMUNITY MEDICINE – PAPER I

(Revised SCHEME)

QP Code: 1063

Your answers should be specific to the questions asked  
Draw neat labeled diagrams wherever necessary

### LONG ESSAYS

2 x 10 = 20 Marks

1. Enumerate the different methods of nutritional assessment. Explain any one which can be used in the community. Add a note on its advantages and disadvantages.
2. Explain the steps involved in conducting a Case-Control study. Give an example.

### SHORT ESSAYS

10 x 5 = 50 Marks

3. Explain briefly the **four** principles of health education
4. What are the different types of carriers? Explain briefly with an example for each.
5. Prevention of Food Adulteration Act, 1954
6. What are the principles of chlorination?
7. Write briefly on occupational cancers
8. Enumerate the various sources of health information. Describe any one in detail.
9. Sensitivity and specificity of a screening test
10. Discuss the cultural factors affecting health
11. Describe stratified random sampling method with an example.
12. Write briefly about standards of housing.

### SHORT ANSWERS

10 x 3 = 30 Marks

13. What is acculturation?
14. Lathyrism
15. What is Disability Adjusted Life Year?
16. Incidence and prevalence of a disease
17. What is relative risk?
18. Secondary attack rate
19. Differences between a screening and a diagnostic test
20. What are the guidelines for defining "at-risk" groups?
21. Mortality indicators
22. Census

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# Rajiv Gandhi University of Health Sciences, Karnataka

M.B.B.S. PHASE -III Part I Degree Examination - Dec 2013

Time: Three Hours

Max. Marks: 100 Marks

52

## COMMUNITY MEDICINE - PAPER I (RS2 & RS3 SCHEME)

QP Code: 1088

Your answers should be specific to the questions asked  
Draw neat labeled diagrams wherever necessary

### LONG ESSAYS

2 x 10 = 20 Marks

1. Discuss the epidemiology of Protein Energy Malnutrition. What are the measures taken for its prevention and control?
2. Define safe water. Enumerate the sources of water. What are the various methods of purification of water on small scale?

### SHORT ESSAYS

10 x 5 = 50 Marks

3. Define Health. Enumerate the dimensions of health
4. Integrated vector control
5. Write the steps involved in a Randomized control trial.
6. Stratified random sampling
7. Cultural factors influencing health and disease
8. Barriers in Health communication
9. What is web of causation? Explain with a suitable example.
10. Disability indicators
11. Epidemiology of silicosis
12. Explain "Specific protection" as an intervention in preventing a disease

### SHORT ANSWERS

10 x 3 = 30 Marks

13. Physical quality of life index
14. What do you mean by "De-professionalization of medicine"
15. What is "residual chlorine"?
16. What is Euthenics?
17. Write briefly about Odd's ratio.
18. Name any 4 criteria for a disease to be chosen for screening.
19. Mention the important duties of an Anganwadi worker
20. What is food adulteration? Give examples.
21. What are the health hazards due to overcrowding in a house
22. What are the diseases transmitted by aedes mosquitoes?