

[KT 549]

AUGUST 2008

Sub. Code : 4073

**THIRD M.B.B.S. DEGREE EXAMINATION  
PART – I**

**Revised (Non-Semester) Regulations  
Paper III – COMMUNITY MEDICINE - I  
Q. P. Code : 524073**

**Time : Three hours**

**Maximum: 100 Marks**

Answer **ALL** questions.

Draw Suitable diagrams wherever necessary

**I. Essay Questions :**

**(2 x 20 = 40)**

1. Define source and reservoir of infection?  
Describe in detail dynamics and modes of disease transmission?
2. Write the source air pollution?  
Describe the strategies regarding the preventing measures of air pollution in our country.

**II. Write Short notes on :**

**(10 x 6 = 60)**

1. Epidemiological Triad.
2. Prenatal screening.
3. Cold chain system.
4. Sampling Methods.
5. Barriers of communications.
6. Lifestyle and health.
7. Dietary goals.
8. Merits and demerits of cohort study.
9. Healthful school Environment.
10. Mid Meal Programme.

**III. Short Answer Questions :**

**(10 x 2 = 20)**

1. Write any two morbidity indicators.
2. Define sensitivity.
3. Case fatality rate and its significance.
4. Define balanced diet.
5. Somatic effects of radiation.
6. Define euthenics.
7. Write two methods of dietary survey.
8. Functions of family.
9. Smoke index.
10. Define rehabilitation.

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**THIRD M.B.B.S. DEGREE EXAMINATION  
PART – I**

**Revised (Non-Semester) Regulations**

**Paper III – COMMUNITY MEDICINE - I**

***Q. P. Code : 524073***

**Time : Three hours**

**Maximum: 120 Marks**

Answer **ALL** questions.

Draw Suitable diagrams wherever necessary

**I. Essay Questions :**

**(2 x 20 = 40)**

1. What is epidemiological triad.  
Describe in detail the agent, Host and environmental factors.
2. What is water pollution? Write in detail about water related diseases.

**II. Write Short notes on :**

**(10 x 6 = 60)**

1. Changing concepts in Public Health.
2. Sensitivity & Specificity.
3. Types of ventilation.
4. Standard deviation.
5. Group discussion.
6. Primordial prevention.
7. Aflatoxins.
8. Proportional Mortality rate.
9. Child guidance clinic.
10. Vitamin A prophylaxis programme.

**III. Short Answer Questions :**

**(10 x 2 = 20)**

1. Write any two mortality indicators.
2. Types of family
3. Incidence.
4. Define Epidemiology.
5. Limiting Amino Acids.
6. Water Harvesting.
7. Genetic counselling.
8. Biological control of anti larval measures.
9. Define Health.
10. Sullivan's Index.

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**THIRD M.B.B.S. DEGREE EXAMINATION  
PART – I**

**Revised (Non-Semester) Regulations**

**Paper III – COMMUNITY MEDICINE - I**

***Q. P. Code : 524073***

**Time : Three hours**

**Maximum: 120 Marks**

Answer **ALL** questions.

Draw Suitable diagrams wherever necessary

**I. Essay Questions :**

**(2 x 20 = 40)**

1. What are the types of analytical epidemiological study?  
Describe the steps involved in the case-control study.
2. What is National vector-borne disease control programme?  
Describe and discuss National Anti-Malarial Programme.

**II. Write Short notes on :**

**(10 x 6 = 60)**

1. Tools of measurements in epidemiology.
2. Rehabilitation.
3. Prevention of Neo-natal tetanus.
4. Functions of world health organization.
5. Approach to health education.
6. Medical Record linkage.
7. Lead poisoning.
8. Chi-Square test.
9. Indices of thermal comfort.
10. Control of noise pollution.

**III. Short Answer Questions :**

**(10 x 2 = 20)**

1. Concept of positive health.
2. Sullivan's index.
3. Aims of epidemiology.
4. Secular trend.
5. Serial interval.
6. Sensitivity and specificity.
7. Passive surveillance in Tuberculosis.
8. Chandler's index.
9. Annual parasite incidence (API).
10. DEC-Provovative test.

**THIRD M.B.B.S. DEGREE EXAMINATION  
PART – I**

**Revised (Non-Semester) Regulations**

**Paper III – COMMUNITY MEDICINE - I**

***Q. P. Code : 524073***

**Time : Three hours**

**Maximum: 100 Marks**

Answer **ALL** questions.

Draw Suitable diagrams wherever necessary

**I. Essay Questions :**

**(2 x 15 = 30)**

1. Describe various levels of prevention and interventions with examples.
2. Discuss the epidemiology of tetanus.

**II. Write Short notes on :**

**(10 x 5 = 50)**

1. Ice-berg phenomenon.
2. Soakage pit.
3. Histogram.
4. Bagassosis
5. Blocked flea.
6. Indices of thermal comfort.
7. Sanitary well.
8. Human development index.
9. Sanitation barrier.
10. Benefits of ESI Scheme.

**III. Short Answer Questions :**

**(10 x 2 = 20)**

1. Uses of Epidemiology.
2. Measurement of morbidity.
3. Diagnosis of lead poisoning.
4. Differences between shallow and deepwell.
5. Annual parasite index.
6. Methods of disinfection.
7. Millenium development goals.
8. Sanitary landfill.
9. Ergonomics.
10. Population attributable risk.

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[KX 549]

AUGUST 2010

Sub. Code : 4073

**THIRD M.B.B.S. DEGREE EXAMINATION  
PART – I**

**Revised (Non-Semester) Regulations**

**Paper III – COMMUNITY MEDICINE - I**

***Q. P. Code : 524073***

**Time : Three hours**

**Maximum: 100 Marks**

Answer **ALL** questions.

Draw Suitable diagrams wherever necessary

**I. Essay Questions :**

**(2 x 15 = 30)**

1. Define Pneumoconiosis.

Explain the various measures for prevention of occupational diseases.

2. List the arboviral diseases.

Explain the epidemiology, clinical features, control of Japanese encephalitis.

**II. Write Short notes on :**

**(10 x 5 = 50)**

1. International classification of diseases.

2. Epidemic curve.

3. Purification of water on large scale.

4. Incidence rate and its uses.

5. Elements of Cohort study.

6. Refuse disposal methods in rural areas.

7. Basic steps in randomised control trial.

8. Sanitation barrier.

9. Natural history of measles.

10. Sampling error.

**III. Short Answer Questions :**

**(10 x 2 = 20)**

1. Vision 2020.

2. Modifiable risk factors in hypertension.

3. Contact tracing in STD's.

4. Morphological Index.

5. Anti Rodent Measures.

6. Microfilaria Rate.

7. Urban Malaria.

8. Accident Proneness.

9. Secondary attack rate.

10. PQLI (Physical Quality of Life Index).

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**THIRD M.B.B.S. DEGREE EXAMINATION  
PART – I**

**Revised (Non-Semester) Regulations**

**Paper III – COMMUNITY MEDICINE - I**

***Q. P. Code : 524073***

**Time : Three hours**

**Maximum: 100 Marks**

Answer **ALL** questions.

Draw Suitable diagrams wherever necessary

**I. Essay Questions :**

**(2 x 10 = 20)**

1. Discuss in detail the steps involved in conducting a cohort study.  
Mention the advantages and disadvantages of cohort study.
2. Describe briefly the epidemiology of tuberculosis.  
Add a note on the Revised National Tuberculosis Control Programme.

**II. Write Short notes on :**

**(10 x 5 = 50)**

1. Normal Distribution.
2. Basic tools of measurement in epidemiology.
3. Strategies for Polio eradication in India.
4. Criteria for screening test.
5. Causes and effects of global warming.
6. Syndromic approach in sexually transmitted diseases.
7. Causes and prevention of Accidents in industry.
8. Lead poisoning.
9. Methods of disposal of solid wastes.
10. Presentation of statistical data.

**III. Short Answer Questions :**

**(15 x 2 = 30)**

1. Disease elimination and eradication with example.
2. Primordial prevention with example.
3. Survival rate.
4. Sentinel Surveillance.
5. Biological transmission.
6. Herd Immunity.
7. Endemic Index.
8. Anthracosis.
9. Mention two frequently used Health Care Delivery Indicators.
10. Extrinsic incubation period.
11. Mention two diseases transmitted by Hard Ticks.
12. Brocca index.
13. Day light factor.
14. Mention two types of mechanical ventilation.
15. Disablement benefit under E.S.I. Act.

**THIRD M.B.B.S. DEGREE EXAMINATION  
PART – I**

**Revised (Non-Semester) Regulations**

**Paper III – COMMUNITY MEDICINE - I**

***Q. P. Code : 524073***

**Time : Three hours**

**Maximum: 100 Marks**

Answer **ALL** questions.

Draw Suitable diagrams wherever necessary

**I. Essay Questions :**

**(2 x 10 = 20)**

1. Describe in detail the post-exposure prophylaxis of human rabies.
2. Define Epidemiology. Discuss briefly the steps of a case-control study

**II. Write Short notes on :**

**(10 x 5 = 50)**

1. Integrated approach in vector control.
2. Sampling methods.
3. Congenital rubella syndrome.
4. Current strategy of filaria control.
5. Environmental factors in cancer causation.
6. Relative risk and attributable risk.
7. Levels of prevention.
8. Health problems due to industrialization.
9. Indices of thermal comfort.
10. Prevention of Rheumatic fever.

**III. Short Answer Questions :**

**(15 x 2 = 30)**

1. Confounding factor.
2. Ergonomics.
3. Sullivan's index.
4. Define Safe water.
5. Body mass index.
6. Blanket treatment.
7. Byssinosis.
8. Somatic effects of radiation.
9. Overcrowding.
10. Phases of Public Health
11. Precurrent disinfection.
12. Preventable blindness.
13. Secular trend.
14. Sample registration system.
15. Name two diseases transmitted by soft ticks.

**THIRD M.B.B.S. DEGREE EXAMINATION  
PART – I**

**Revised (Non-Semester) Regulations**

**Paper III – COMMUNITY MEDICINE - I**

***Q. P. Code : 524073***

**Time : 180 Minutes**

**Maximum: 60 Marks**

Answer **ALL** questions in the same order.  
Draw Suitable diagrams wherever necessary

**I. Elaborate on:**

**(2 x 7.5 = 15)**

1. Define Epidemiology. List the various epidemiological study designs.  
Briefly discuss the steps in a case control study.
2. Define sewage. Enlist the various methods of disposal of sewage in unsewered areas.  
Discuss briefly about water seal latrine.

**II. Write Short notes on :**

**(10 x 3 = 30)**

1. Chi-square test
2. Methods of control of vectors
3. Hazards of environmental pollution
4. Overcrowding
5. Types of screening
6. Direct standardization
7. Types of sampling techniques
8. Primordial prevention
9. International classification of diseases
10. Sickness Absentism

**III. Short Answers on :**

**(15 x 1 = 15)**

1. Define health
2. Define eradication
3. Types of zoonosis
4. Pie-chart
5. Define pandemic
6. Advantage and limitation of insecticides as method of vector control
7. Comfort zone
8. DALY
9. Median incubation period
10. Contact tracing
11. Annual Parasite Incidence
12. Define Acute Flaccid Paralysis
13. Pentavalent Vaccine
14. Low Osmolality ORS
15. Cancer registry



[LB 549]

AUGUST 2012

Sub. Code : 4073

## THIRD M.B.B.S. DEGREE EXAMINATION

### PART – I

#### Paper III – COMMUNITY MEDICINE - I

*Q. P. Code : 524073*

**Time : 180 Minutes**

**Maximum: 60 Marks**

Answer **ALL** questions in the same order.

#### **I. Elaborate on:**

**Pages Time Marks**  
**(Max.) (Max.) (Max.)**

- |  |    |    |     |
|--|----|----|-----|
| 1. List & define the various types of mortality indicators.<br>What are the uses and limitations of mortality data?<br>Which mortality indicator would you choose to decide the relative importance of a disease as cause of death in a community? | 16 | 25 | 7.5 |
| 2. Describe the epidemiology of Poliomyelitis in India.<br>Explain the strategy for polio eradication in India. Add a note on the use of monovalent and bivalent oral polio vaccines.  | 16 | 25 | 7.5 |

#### **II. Write Notes on :**

- |  |   |   |   |
|--|---|---|---|
| 1. Give the case definition of Acute Encephalitis Syndrome.<br>How is it managed at PHC level? | 3 | 8 | 3 |
| 2. What is Sampling. Explain the different random sampling methods.                            | 3 | 8 | 3 |
| 3. What are the sources of water pollution? How do they affect health?                         | 3 | 8 | 3 |
| 4. Define 'agent' in disease causation.<br>Explain the different types of agents.              | 3 | 8 | 3 |
| 5. Describe the steps in doing a Case control study.   | 3 | 8 | 3 |
| 6. Describe respiratory diseases common among farmers with causes, prevention and control.     | 3 | 8 | 3 |
| 7. Give details of the risk factors for hypertension.  | 3 | 8 | 3 |
| 8. Define and give the importance of herd immunity in disease control.                         | 3 | 8 | 3 |
| 9. Primary prevention of diarrhoeal diseases.  | 3 | 8 | 3 |
| 10. Explain the concept of avoidable blindness.  | 3 | 8 | 3 |

#### **III. Short Answers on :**

- |   |   |   |   |
|---|---|---|---|
| 1. Give the species of vector for Kala-azar.                  | 1 | 5 | 1 |
| 2. Non auditory effects of noise.                             | 1 | 5 | 1 |
| 3. Benefits to employer under ESI act.                        | 1 | 5 | 1 |
| 4. List the most frequent causes of domestic accidents.       | 1 | 5 | 1 |
| 5. Drug supply for management of pediatric TB under RNTCP.    | 1 | 5 | 1 |
| 6. What is 'lead time'?                                       | 1 | 5 | 1 |
| 7. Immunity categories in tetanus.                            | 1 | 5 | 1 |
| 8. Define Brocca's index and Lorentz's formula.               | 1 | 5 | 1 |
| 9. Components of minimum needs programme.                     | 1 | 5 | 1 |
| 10. Objectives of multi drug therapy in leprosy.              | 1 | 5 | 1 |
| 11. Screening methods for cancer of breast.                   | 1 | 5 | 1 |
| 12. Adverse effects of smoking on lungs.                      | 1 | 5 | 1 |
| 13. Formulas for standard error.                              | 1 | 5 | 1 |
| 14. Categories of waste disposed into blue / white container. | 1 | 5 | 1 |
| 15. Behaviour change communication in malaria.                | 1 | 5 | 1 |

[LC 549]

FEBRUARY 2013

Sub. Code : 4073

**THIRD M.B.B.S. DEGREE EXAMINATION  
PART – I**

**Paper III – COMMUNITY MEDICINE - I**

*Q. P. Code : 524073*

**Time : 180 Minutes**

**Maximum: 100 Marks**

Answer **ALL** questions.

Draw Suitable diagrams wherever necessary

**I. Elaborate on:**

**(2 x 15 = 30)**

1. Describe the various modes of transmission of communicable diseases.
2. Explain the methods of refuse disposal.

**II. Write notes on :**

**(10 x 5 = 50)**

1. Primary prevention.
2. Measures of central tendency.
3. Population surveys as a source of health information.
4. Management of cases and carriers in diphtheria.
5. Investigation of food poisoning.
6. Occupational cancer.
7. Control of Japanese Encephalitis.
8. Agent and host factors in leprosy.
9. Elimination of lymphatic filariasis.
10. Prevention of Rheumatic heart disease.

**III. Short Answers on:**

**(10 x 2 = 20)**

1. Definition of Community treatment.
2. Definition of screening.
3. Mention two advantages of cohort study.
4. Mention four hazards of obesity.
5. "Rule of halves" in hypertension.
6. List the tests used in bacteriological surveillance of drinking water.
7. Biological control measures against mosquito larvae.
8. List four treatment and disposal technologies for health-care waste.
9. Measures for control of silicosis.
10. Disablement benefit under Employees State Insurance Act.

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[LD 549]

AUGUST 2013

Sub. Code : 4073

**THIRD M.B.B.S. DEGREE EXAMINATION  
PART – I**

**Paper III – COMMUNITY MEDICINE - I**

***Q. P. Code : 524073***

**Time : 180 Minutes**

**Maximum: 60 Marks**

**Answer ALL questions.**

**Draw Suitable diagrams wherever necessary**

**I. Elaborate on:**

**(2 x 10 = 20)**

1. Describe the epidemiology, control and prevention of Typhoid Fever.
2. Define disinfectant. Discuss in detail about different types of disinfectant.

**II. Write notes on:**

**(10 x 3 = 30)**

1. Human poverty index.
2. Population surveys.
3. Occupational hazards of agricultural workers.
4. Epidemiology of Leptospirosis.
5. Control of scabies.
6. Health Hazards of health-care waste.
7. Uses of Epidemiology.
8. Rule of Halves.
9. Scrub Typhus.
10. BCG Vaccination.

**III. Short Answers on:**

**(10 x 1 = 10)**

1. Socio-Economic Indicators.
2. Index Case.
3. Define Epidemiology.
4. Generation time.
5. Heat Hyperpyrexia.
6. Chemoprophylaxis of meningococcal meningitis.
7. Jones criteria for diagnosis of Rheumatic fever.
8. Lorentz's formula.
9. Xeno diagnosis.
10. Disinfection of air.

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[LE 549]

FEBRUARY 2014

Sub. Code : 4073

**THIRD M.B.B.S. DEGREE EXAMINATION  
PART – I**

**Paper III – COMMUNITY MEDICINE - I**

*Q. P. Code : 524073*

**Time : 180 Minutes**

**Maximum: 60 Marks**

Answer **ALL** questions.

Draw Suitable diagrams wherever necessary

**I. Elaborate on:**

**(2 x 10 = 20)**

1. a. Discuss in detail about the Multifactorial aetiology of cancer?  
b. Add a note on the basic approach to the control of cancer?
2. Discuss in detail about the Integrated Vector control?

**II. Write notes on:**

**(10 x 3 = 30)**

1. Silicosis.
2. Disability limitation.
3. Common Source epidemics.
4. Bias in case control study.
5. Chi Square test.
6. Basic steps in conducting Randomized control trial .
7. Adverse events following immunization .
8. Sanitary well.
9. Monitoring and surveillance.
10. Medical benefits under ESI.

**III. Short Answers on:**

**(10 x 1 = 10)**

1. Pre placement EXAMINATION
2. Lead Time.
3. Physical Quality of Life Index.
4. Socialized medicine.
5. Concurrent disinfection.
6. Iceberg.
7. Mention four medical measures for the prevention of Occupational diseases.
8. Define Emporiatrics.
9. Define Point prevalence.
10. Define Positive predictive value of a screening test.

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## THIRD YEAR M.B.B.S DEGREE EXAMINATION

### PART - I

#### Paper III – COMMUNITY MEDICINE - I

*Q. P. Code: 524073*

**Time: Three Hours**

**Maximum: 60 Marks**

**Answer ALL questions in the same order.**

#### **I. Elaborate on:**

**(2 x 10 = 20)**

1. Describe the epidemiology of hook worm infection.  
Discuss its prevention and control measures.
2. Describe the epidemiology of Road Traffic Accidents in India.  
Add a note on the preventive measures.

#### **II. Write Notes on:**

**(10 x 3 = 30)**

1. Case finding methods in leprosy.
2. Yellow fever vaccine.
3. Enlist the major air pollutants and describe measures to control it.
4. Describe how to diagnose lead poisoning and how is it prevented.
5. Sickness absenteeism.
6. Vaccine associated paralytic polio.
7. Standard normal curve.
8. Describe briefly the occupational cancers and their prevention.
9. Describe the sanitation measures to be followed in swimming pools.
10. Discuss the effects of atmospheric pressure on health.

#### **III. Short Answers on:**

**(10 x 1 = 10)**

1. Validity of screening test.
2. Explain meta - zoonosis with EXAMINATIONple.
3. Day light factor.
4. Enlist the bio medical waste disposed in to the black bin.
5. Case definition of suspect case of Japanese encephalitis.
6. Pictogram.
7. Ergonomics.
8. Super chlorination.
9. Disability adjusted life years.(DALY)
10. Define trans-ovarial transmission with an EXAMINATIONple.

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[LG 549]

FEBRUARY 2015

Sub.Code :4073

**THIRD YEAR M.B.B.S. DEGREE EXAMINATION  
PART I  
PAPER III – COMMUNITY MEDICINE I**

*Q.P. Code: 524073*

**Time: Three hours**

**Maximum : 60 Marks**

**Answer All Questions**

**I. Elaborate on:**

**(2 x 10 = 20)**

1. Define epidemiology. Write in detail the steps of a case control study. Mention its merits and demerits.
2. What are the common disabilities seen in a case of leprosy? Explain the various disability limiting and rehabilitative measures in leprosy.

**II. Write notes on:**

**(6 x 5 = 30)**

1. Carriers
2. Investigation of an epidemic
3. Principles of chlorination
4. Types of health care delivery system in India
5. Emporiatrics
6. Measures of Dispersion

**III. Short answers on:**

**(5 x 2 = 10)**

1. Sentinel surveillance
2. Environmental measures for control of mosquitoes
3. Non auditory effects of noise pollution
4. Opportunistic infections in AIDS
5. Uses of incubation period

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[LH 549]

AUGUST 2015

Sub. Code: 4073

## THIRD YEAR M.B.B.S. DEGREE EXAMINATION

### PART – I

#### PAPER III – COMMUNITY MEDICINE - I

*Q.P. Code: 524073*

**Time : Three Hours**

**Maximum : 60 marks**

**Answer ALL questions**

#### **I. Elaborate:**

**(2 x 10 = 20)**

1. What is sampling? Explain random sampling methods with suitable examples.
2. Write in detail the epidemiology, clinical features and control of Japanese encephalitis.

#### **II. Write notes on :**

**(6 x 5 = 30)**

1. Natural history of disease.
2. Surveillance of drinking water quality.
3. Scrub typhus.
4. Intensified Pulse Polio Immunization.
5. Population surveys.
6. Malariometric measures.

#### **III. Short answers on :**

**(5 x 2 = 10)**

1. Sullivan's Index.
2. Relative risk.
3. DEC provocative test.
4. Manmade malaria.
5. Uses and limitation of mortality data.

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