

April-2001

[KD 549]

Sub. Code : 4073

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

(Non-Semester)

(Revised Regulations)

Part I

Paper III — COMMUNITY MEDICINE — I

Time : Three hours                      Maximum : 120 marks  
Theory : 160 min.                      Theory : 100 marks  
and MCQ : 20 min.                      MCQ : 20 marks

Answer MCQ in the answer sheet provided.

Answer ALL questions.

Draw suitable diagram wherever necessary.

1. What are the levels of prevention? Describe each of them with suitable examples. How these levels of prevention are applied to prevent Vitamin - A deficiency among young children in a community? (20)
2. Write briefly on : (6 × 5 = 30)
  - (a) Determinants of health
  - (b) Nosocomial infections.
  - (c) In utero - diagnosis.
  - (d) The sample registration system in India.
  - (e) Isolation and quarantine.
  - (f) Integrated approach in vector control.

3. Discuss the role of Nutritional factors in the causation of cardiovascular diseases, Diabetes and cancer. (20)
4. Write briefly on : (6 × 5 = 30)
  - (a) Sanitary methods of disposal of sullage in rural areas.
  - (b) Social therapy
  - (c) Free residual chlorine
  - (d) Role play
  - (e) Cold chain system for vaccines
  - (f) Diet survey.

November-2001

[KE 549]

Sub. Code : 4073

SECTION B

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

(Non-Semester)

(Revised Regulations)

Part I

Paper III — COMMUNITY MEDICINE — I

Time : Three hours                      Maximum : 120 marks  
Theory : 160 min.                      Theory : 100 marks  
and MCQ : 20 min.                      MCQ : 20 marks

Answer MCQ in the answer sheet provided.

Answer ALL questions.

Draw suitable diagram wherever necessary.

SECTION A

1. Define Health. Explain how health and development is inter-related. Discuss in brief the various indicators of health. (20)
2. Write briefly on : (6 × 5 = 30)
  - (a) Types of screening.
  - (b) Uses of Bio-Statistics in medical science.
  - (c) Biological transmission.
  - (d) Over crowding.
  - (e) Compare growth monitoring and nutritional surveillance.
  - (f) Social stress.

3. Define Health Education. Discuss various principles of Health Education. What are the barriers of communication? (20)

4. Write briefly on : (6 × 5 = 30)

- (a) Relative Risk.
- (b) Soakage Pit.
- (c) Standard Error.
- (d) Balanced Diet.
- (e) Prevention of genetic disorders.
- (f) Rat flea indices.

[KG 549]

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

(Non-Semester)

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Part I

Paper III — COMMUNITY MEDICINE — I

Time : Three hours

Maximum : 120 marks

Theory : 160 min.

Theory : 100 marks

MCQ : 20 min.

MCQ : 20 marks

Answer MCQ in the answer sheet provided.

Answer ALL questions.

Draw suitable diagram wherever necessary.

Section A & B is to be answered in same answer book.

SECTION A

1. Define epidemiology. What are the type of epidemiological studies designed to explore disease aetiology. Discuss the Cohort study in detail along with its merits and demerits. (20)

2. Write briefly on : (6 × 5 = 30)

(a) Iceberg of disease.

(b) Measures of Central tendency.

(c) Mosquito control measures.

(d) Sanitary well.

(e) Iodine deficiency disorders.

(f) Cultural factors in health and disease.

SECTION B

3. Enumerate the nutritional deficiency disorders that are public health problems. What is 'micronutrient mal-nutrition'. Discuss in detail the causes, detrimental effects and various preventive measures of nutritional anemia. (20)

4. Write briefly on : (6 × 5 = 30)

(a) Incineration.

(b) Principles of health education.

(c) Hardness of water.

(d) Epidemic investigation.

(e) Common sampling techniques.

(f) Carrier state.

October-2003

[KJ 549]

Sub. Code : 4073

FINAL M.B.B.S. DEGREE EXAMINATION.

(Non-Semester)

Part I

Paper I — COMMUNITY MEDICINE — I

Time : Three hours                      Maximum : 120 marks

Theory : Two hours Thirty                      Theory : 90 marks  
minutes

MCQ : Half an hour                      MCQ : 30 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Write Essay :                      (2 × 15 = 30)

(1) Define epidemiology. Compare and contrast case control study with cohort studies. What are the uses of Epidemiology.                      (15)

(2) Define balanced diet. Discuss various community nutrition programmes of Govt. of India. (15)

II. Write briefly on :

(12 × 5 = 60)

- (a) Multiphasic screening.
- (b) Disease surveillance.
- (c) Chronic carriers.
- (d) Lathyrism.
- (e) Health for all.
- (f) PQLI.
- (g) Relative risk.
- (h) Sanitation barrier.
- (i) Sample Registration System.
- (j) Diet and cancer.
- (k) Turner's Syndrome.
- (l) Blocked Rat flea and its control measures.

August-2004

[KL 549]

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II. Write briefly on :

(12 × 5 = 60)

FINAL M.B.B.S. DEGREE EXAMINATION.

(Non-Semester)

Part I

Paper III — COMMUNITY MEDICINE — I

Time : Three hours

Maximum : 120 marks

Theory : Two hours Thirty  
minutes

Theory : 90 marks

M.C.Q. : Half an hour

M.C.Q. : 30 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Write Essay :

(2 × 15 = 30)

(1) What is nutritional assessment? How do you assess the nutritional status of the under five years children in a given community?

(2) What are the objectives of an Investigation of an epidemic? Describe the steps involved in such an investigation.

- (a) Positive health
- (b) Types of screening
- (c) Sand fly
- (d) Measures of dispersion
- (e) Cold chain
- (f) Septic tank
- (g) Types of communication
- (h) Isolation of quadrantine
- (i) Types of disinfection
- (j) Primordial prevention
- (k) Food adulteration
- (l) Housing standards.

[KM 549]

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II. Write briefly on :

(12 × 5 = 60)

FINAL M.B.B.S DEGREE EXAMINATION.

(Non-Semester)

Part I

Paper III — COMMUNITY MEDICINE — I

Time : Three hours Maximum : 120 marks

Theory : Two hours and thirty minutes Theory : 90 marks

M.C.Q. : Half an hour M.C.Q. : 30 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Write Essay : (2 × 15 = 30)

(1) Describe the structure of Employees State Insurance Corporation. Discuss the various benefits under E.S.I.

(2) Define Maternal Mortality Rate. Discuss measures for reducing MMR.

- (a) Indices of thermal comfort.
- (b) Menstrual regulation.
- (c) Components of school health programme.
- (d) Growth chart.
- (e) Oral polio vaccine.
- (f) Network analysis.
- (g) Registration of vital events.
- (h) Prevention of noise pollution.
- (i) Acculturation.
- (j) Control versus Eradication of disease.
- (k) Surveillance.
- (l) Lead poisoning.

**[KN 549]**

**Sub. Code : 4073**

**II. Write briefly on :**

**(12 × 5 = 60)**

**FINAL M.B.B.S. DEGREE EXAMINATION.**

**(Non-Semester)**

**Part I**

**Paper III — COMMUNITY MEDICINE — I**

<b>Time : Three hours</b>	<b>Maximum : 120 marks</b>
<b>Theory : Two hours and thirty minutes</b>	<b>Theory : 90 marks</b>
<b>M.C.Q. : Half an hour</b>	<b>M.C.Q. : 30 marks</b>

**Answer ALL questions.**

**Draw suitable diagrams wherever necessary.**

**I. Write Essay : (2 × 15 = 30)**

**(1) Discuss the various levels of intervention with suitable examples.**

**(2) Discuss the sources and effects of air pollution. Suggest the prevention and control measures of air pollution.**

- (a) Uses of descriptive epidemiology.**
- (b) Census.**
- (c) Paris green.**
- (d) Diet survey.**
- (e) Genetic counselling.**
- (f) Family in health and disease.**
- (g) Objectives of health education.**
- (h) Case fatality rate.**
- (i) Principles of chlorination.**
- (j) Health economics.**
- (k) Herd immunity.**
- (l) Evaluation of a screening test.**

[KO 549]

Sub. Code : 4073

THIRD (FINAL) M.B.B.S. DEGREE EXAMINATION.

Revised (Non-Semester) Regulations

Part I

Paper III — COMMUNITY MEDICINE – I

Time : Three hours                      Maximum : 120 marks

Theory : Two hours and                      Theory : 90 marks  
                    Thirty minutes

M.C.Q. : Half an hour                      M.C.Q. : 30 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Write Essay :                                      (2 × 15 = 30)

(1) Describe the steps in investigation of an epidemic.

(2) Discuss the assessment of nutritional status of a community.

II. Write briefly on:                                      (12 × 5 = 60)

- (a) Health determinants.
- (b) Advantages of case-control studies.
- (c) Uses of incubation period.
- (d) Types of screening.

- (e) Aflatoxicosis.
- (f) Indices of thermal comfort.
- (g) Removal of hardness of water.
- (h) Measures of central tendency.
- (i) Anti rodent measures.
- (j) Bio logical transmission of arthropod borne diseases.
- (k) Medico-social worker.
- (l) Health education versus health propaganda.



**[KP 549]**

**Sub. Code : 4073**

**THIRD (FINAL) M.B.B.S. DEGREE EXAMINATION.**

**Revised (Non-Semester) Regulations**

**Part I**

**Paper III — COMMUNITY MEDICINE – I**

<b>Time : Three hours</b>	<b>Maximum : 120 marks</b>
<b>Theory : Two hours and forty minutes</b>	<b>Theory : 100 marks</b>
<b>M.C.Q. : Twenty minutes</b>	<b>M.C.Q. : 20 marks</b>

**Answer ALL questions.**

**Draw suitable diagrams wherever necessary.**

**I. Write Essay :**

- 1. Define epidemiology. What is an epidemiological approach? Discuss the features of descriptive epidemiological studies in brief. (20)**
- 2. What are the different modes of transmission of Arthropod borne diseases? Discuss the principles of arthropod control. (15)**
- 3. Define health education. Discuss the principle and practice of health education. (15)**

**II. Short notes :**

**(10 × 5 = 50)**

- (a) Iceberg of disease.**
  - (b) Defluoridation.**
  - (c) Congenital Malformation.**
  - (d) Biochemical oxygen demand (BOD).**
  - (e) Health Indicators.**
  - (f) Age pyramid.**
  - (g) Composting.**
  - (h) Heat stroke.**
  - (i) Essential fatty acids.**
  - (j) Sampling methods.**
-

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II. Short notes :

(10 × 5 = 50)

**THIRD (FINAL) M.B.B.S. DEGREE EXAMINATION.**

Revised (Non-Semester) Regulations

Part I

Paper III — COMMUNITY MEDICINE — I

Time : Three hours

Maximum : 120 marks

Theory : Two hours and  
forty minutes

Theory : 100 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Write Essay :

(1) What is solid waste? What are the sources of refuse? Briefly describe the various methods of disposal of refuse in India. (20)

(2) What is a Cohort? What are the types of Cohort studies? Briefly discuss the steps of a Cohort study. (15)

(3) What are the types of Families? Discuss the various functions of the family and its role in health and disease. (15)

(a) Human Development Index

(b) Incidence and Prevalence

(c) Normal Distribution

(d) Genetic Counselling

(e) Types of communication

(f) Prudent diet

(g) Principles of chlorination

(h) Secondary treatment of sewage

(i) Temporary social groups

(j) Adulteration of foods.

[KR 549]

Sub. Code : 4073

THIRD (FINAL) M.B.B.S. DEGREE EXAMINATION.

Revised (Non-Semester) Regulations

Part I

Paper III — COMMUNITY MEDICINE — I

Time : Three hours                      Maximum : 120 marks

Theory : Two hours and                      Theory : 100 marks  
                    forty minutes

M.C.Q. : Twenty minutes                      M.C.Q. : 20 marks

Answer ALL questions.

I. Write Essay :

1. Define micronutrient. Enumerate the important micronutrients. Discuss spectrum of iodine deficiency disorders and iodine deficiency disorder control programme in India. (20)

2. Write the names of different epidemiological methods. Describe the steps in epidemic investigation. (15)

3. Classify health care wastes. What are the hazards of health care waste? List out the various methods of disposal of hospital wastes. (15)

II. Short notes : (10 × 5 = 50)

- (a) Levels of interventions.
- (b) Cold chain.
- (c) Explain main components of communication.
- (d) Acculturation.
- (e) Criteria for the selection of screening test.
- (f) Role of medico-social worker in hospital.
- (g) Name the different source of health information.
- (h) Suitable measures of potable water supply to rural area.
- (i) Environmental control measures of mosquitoes.
- (j) Enumerate the indicators of air pollution and mention the methods to control air pollution.

FEBRUARY 2008

[KS 549]

Sub. Code : 4073

THIRD (FINAL) M.B.B.S. DEGREE EXAMINATION.

Revised (Non-Semester) Regulations

Part I

Paper III — COMMUNITY MEDICINE — I

Q.P. Code : 524073

Time : Three hours                      Maximum : 120 marks

Theory : Two hours and                      Theory : 100 marks  
forty minutes

M.C.Q. : Twenty minutes                      M.C.Q. : 20 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Write Essay :                                      (2 × 20 = 40)

1. Describe the epidemiology and prevention of  
lymphatic filariasis.                                      (20)

2. What are social sciences? What is the role of  
family and social customs in health and disease?                      (20)

II. Short notes :                                      (10 × 6 = 60)

(a) Oxidation pond

(b) Fluorosis

(c) Factors responsible for higher fertility in  
India

(d) Features of sanitary well

(e) Role of emotions in health and disease

(f) Salient features rapid sand filter

(g) Control measures for measles

(h) Measures of central tendency

(i) Safe injection practices

(j) Differences between "Marasmus" and  
Kwashiorkar.