

M.Sc. (Epidemiology) DEGREE EXAMINATION.

Part I

Paper III - EPIDEMIOLOGICAL METHODS IN HEALTH
MANAGEMENT

Time: Three hours

Max.marks:100

Answer All Questions

1. Write briefly on:

- (a) Methods for tracing the source of an epidemic of water-borne disease
- (b) Micronutrients and risk of cancer
- (c) 'Sensitivity analysis' in clinical decision making
- (d) 'Non-differential bias'. (30)

2. 'The choice of 'cut-off' point for positive test is governed by cost-effectiveness of available therapeutic intervention'. Discuss this theme with appropriate examples. (20)

3. Write briefly on:

- (a) Inter-rates variability for categorical outcomes
- (b) Risk factors for HIV infection
- (c) Internal validity of a study
- (d) 'Factorial design'. (30)

4. Discuss the strategies for reducing infant mortality rate. (20)

APRIL 1998

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M.Sc. EPIDEMIOLOGY DEGREE EXAMINATION

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MANAGEMENT

Time: Three hours

Max.marks:100

Answer All Questions

1. Discuss the drug inventory control methods to improve availability of drugs in a Primary Health Centre. (20)
2. Write briefly on:
 - (a) Social mapping as a tool to collect health information
 - (b) Case study method to solve health problems
 - (c) Cluster testing for tracing the contacts of Sexually Transmitted Diseases
 - (d) Work analysis of health personnel. (30)
3. Discuss the strategies for reducing maternal mortality in India. (20)
4. Write briefly on:
 - (a) Risk factor trials
 - (b) The role of line diagram in depicting time trends in diseases.
 - (c) Monitoring for environmental pollution
 - (d) Study design to reveal the socio-economic aspects of disease. (30)

OCTOBER 1998

[SM 236]

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Part I

Paper III — EPIDEMIOLOGICAL METHODS IN HEALTH
MANAGEMENT

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Describe the three-tier system of health care in India. Describe the various maternal and child health services provided in the rural areas. (20)
 2. Write briefly on : (30)
 - (a) Socialization
 - (b) Fertility indicators
 - (c) Health intelligence
 - (d) Work sampling.
 3. Define infant mortality rate. Write in detail the various causes for high infant mortality in India. Outline the programme to reduce it. (20)
 4. Write briefly on : (30)
 - (a) Principles of health education.
 - (b) Cultural factors in health and disease.
 - (c) Heat stress indices.
 - (d) Physical Quality of Life Index.
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OCTOBER 1999

[KA 236]

M.Sc. (Epidemiology) DEGREE EXAMINATION.

Part I

Paper III — EPIDEMIOLOGICAL METHODS IN
HEALTH MANAGEMENT

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Write briefly on :

(a) Methods of contact tracing in sexually Transmitted Diseases

(b) Epidemiological techniques employed in the final stages of small pox

(c) Methods to prevent importing of yellow fever into India

(d) Critical path method (CPM) of analysis. (30)

2. For effectiveness evaluation, mention the threats to internal and external validity and discuss the characteristics of the behavioural objectives. (20)

3. Write briefly :

(a) Risk factors for diabetes mellitus

(b) Strategies for application of screening test for carcinoma cervix

(c) Time series analysis

(d) Methods of tracing the source of an outbreak of food-poisoning. (30)

4. Discuss the strategies for reducing perinatal mortality in India. (20)

[KB 236]

APRIL 2000

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Part I

Paper III — EPIDEMIOLOGY METHODS IN HEALTH
MANAGEMENT

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. What is primary health care. Describe the role of primary health centre in providing primary health care in rural areas. (20)
 2. Write briefly on :
 - (a) Nuclear family.
 - (b) Cost-effectiveness analysis
 - (c) Couple protection note.
 - (d) Mass media. (30)
 3. Describe the various steps involved in investigation of an epidemic. (20)
 4. Write briefly on :
 - (a) Demographic transition
 - (b) Perinatal mortality
 - (c) Radiation hazards
 - (d) Disability Adjusted Life years. (D.A.L.Y) (30)
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