

SECOND SEMESTER - MASTER OF PUBLIC HEALTH (RS2)

MASTER OF PUBLIC HEALTH IN EPIDEMIOLOGY

MASTER OF PUBLIC HEALTH IN HEALTH ECONOMICS & OUTCOME RESEARCH

DEGREE EXAMINATION – JULY 2023

Time: 3 Hours

Max. Marks: 80

EPIDEMIOLOGY (PART I & PART II)

Q.P. Code:1804

Answers should be specific to the Questions asked.
Draw neat, labeled diagrams wherever necessary.
All questions are compulsory.

Question Number

Marks

LONG ESSAY QUESTIONS:

2 X 15 = 30

1. Define Epidemiology. Discuss in detail about application of principles of epidemiology in evaluation of health services and policy. 3+12
2. Define mortality and morbidity. Explain in detail types of mortality with example. 3+12

SHORT ESSAY QUESTIONS:

5 X 10 = 50

3. Discuss in brief about investigation of an epidemic of vehicle borne diseases.
4. Write in detail about using epidemiology in identifying the cause of diseases.
5. Define screening. Describe how the quality of screening tests is assessed.
6. Describe the principles and uses of epidemiology
7. Write in detail about planning, designing and conducting of surveys in the community.

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MATERNAL & CHILD HEALTH NUTRITION (PART I & II)

Q.P. Code: 1810

Answers should be specific to the Questions asked.

Draw neat, labeled diagrams wherever necessary.

All the questions are compulsory.

Question Number

Marks

LONG ESSAY QUESTIONS:

2 X 15 = 30

1. Write in detail about health problems of women across the life span.
2. What are the causes of low birth weight babies in India? Explain strategies to prevent low birth weight babies.

SHORT ESSAY QUESTIONS:

5 X 10 = 50

3. Write a note on Iodine deficiency disorders.
4. Health problems of the school child.
5. Identification of at risk infants.
6. Write about methods for establishing, the casual role of nutritional factors on health and disease status
7. Write a note on food fortification and its need to meet today's nutritional deficiencies in Indian children.

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DEMOGRAPHY AND FAMILY PLANNING

Q.P. Code: 1811

Answers should be specific to the Questions asked.
Draw neat, labeled diagrams wherever necessary.
All the questions are compulsory.

Question Number

Marks

LONG ESSAY QUESTIONS:

2 X 15 = 30

1. Classify the contraceptive methods. Write in detail the hormonal contraceptives. (9+6)
2. Discuss causes and implications of social inequality.

SHORT ESSAY QUESTIONS:

5 X 10 = 50

3. Write a note on National Family welfare programme.
4. Write a note on Demographic transition.
5. Write a note on birth and death rates.
6. Briefly state factors influencing fertility.
7. Explain Family planning services at primary health center level.

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BIOSTATISTICS (PART I & II)

Q.P. Code: 1805

Answers should be specific to the Questions asked.
Draw neat, labeled diagrams wherever necessary.
All questions are compulsory.

Question Number	Marks
LONG ESSAY QUESTIONS:	2 X 15 = 30
1. Define probability. Write law of probability. Explain in detail about probability distribution.	(2+3+10)
2. Write a note on Qualitative data analysis.	
SHORT ESSAY QUESTIONS:	5 X 10 = 50
3. Compare and contrast one way ANOVA and post hoc test.	
4. Write a note on sampling.	
5. Discuss measures of dispersion.	
6. Explain Logistic regression analysis.	
7. Write about Graphical presentation of data.	

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DEMOGRAPHY AND FAMILY PLANNING

Q.P. Code: 1811

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Draw neat, labeled diagrams wherever necessary.

All the questions are compulsory.

Question Number

Marks

LONG ESSAY QUESTIONS:

2 X 15 = 30

1. Define demography. Describe in detail the demographic cycle. Add a note on demographic indicators. (2+5+8)
2. Describe in detail steps for evaluation of family planning services.

SHORT ESSAY QUESTIONS:

5 X 10 = 50

3. Discuss population census.
4. Define eligible and target couple. Add a note on Couple protection rate and discuss its importance.
5. Discuss the side effects and complications of intra uterine contraceptive device.
6. Describe the Medical Termination of Pregnancy Act 1971.
7. Write the salient features of National Population Policy 2000.

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EPIDEMIOLOGY OF INFECTIOUS & NON-COMMUNICABLE DISEASES

Q.P. Code: 1806

Answers should be specific to the Questions asked.
Draw neat, labeled diagrams wherever necessary.
All questions are compulsory.

Question Number

Marks

LONG ESSAY QUESTIONS:

2 X 15 = 30

1. Discuss in detail about general measures of control of infectious diseases. (12+3)
Enumerate vector borne viral diseases.
2. Write in detail about epidemiology, control and prevention of Hepatitis B infection. (6+4+5)

SHORT ESSAY QUESTIONS:

5 X 10 = 50

3. Describe epidemiology, control and prevention of tuberculosis.
4. Discuss epidemiology, diagnosis, control and prevention of Rabies.
5. Obesity is a Public Health problem in India. Justify with example.
6. What are the causes of blindness in India? Explain preventive methods of blindness.
7. Write a note on ORS.
