

KLE ACADEMY OF HIGHER EDUCATION AND RESEARCH, BELAGAVI.
(Declared as Deemed-to-be-University u/s 3 of the UGC Act, 1956)

Accredited 'A' Grade by NAAC (2nd Cycle)

Placed in 'A' Category by MHRD (GoI)

SECOND SEMESTER - MASTER OF PUBLIC HEALTH (RS 2)
MASTER OF PUBLIC HEALTH IN EPIDEMIOLOGY
MASTER OF PUBLIC HEALTH IN HEALTH ECONOMICS & OUTCOME RESEARCH
DEGREE EXAMINATION – SEPTEMBER 2021

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 (All are compulsory):

2 X 15 = 30

1. What is epidemiology? Write in detail about planning, designing and conducting of epidemiological surveys in the community.
2. Define screening. Discuss in brief about systematic method of conducting screening camps in urban areas. Add a note on sensitivity of a screening test. (3+10+2)

SHORT ESSAY QUESTIONS (All are compulsory):

5 X 10 = 50

3. Discuss the concept of dynamics of disease transmission.
4. Describe the public health importance of epidemiology.
5. Discuss in brief about various steps involved in investigation of an epidemic of water borne disease in the rural area.
6. Write in detail about sentinelle surveillance.
7. "The knowledge of epidemiology is useful in evaluating health services & policy" explain.

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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 (All are compulsory):

2 X 15 = 30

1. Why do we calculate sample size in research? Methods of sample size calculation. Write about 30 cluster sample method.
2. What is normal curve? What is the significance in research method? Explain kurtosis and skewness.

SHORT ESSAY QUESTIONS (All are compulsory):

5 X 10 = 50

3. Methods of data presentation.
4. Parametric test.
5. Type-II errors.
6. Confidence interval
7. P-value.

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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 (All are compulsory):

2 X 15 = 30

1. Discuss in detail about general measures of control of air borne infectious disease. Enumerate vector borne viral diseases. (12+3)
2. Enlist various neoplasia of public health importance in Karnataka. Discuss in brief about challenges faced in bringing down the burden of neoplasia in our country. (5+10)

SHORT ESSAY QUESTIONS (All are compulsory):

5 X 10 = 50

3. Rheumatic heart disease is a preventable disease? Explain & justify.
4. Discuss the epidemiology of measles. Add a note on measles-Rubella (MR) vaccine.
5. Explain the concept of COVID appropriate behavior.
6. Write about hepatitis E transmission cycle.
7. Discuss various passive immunization agents available in the market against hydrophobia (Rabies).

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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 (All are compulsory):

2 X 15 = 30

1. Discuss various child placement measures available in India. Add a note on Juvenile delinquency. (10+5)
2. Define nutrition. Discuss the role of various nutritional factors in health and disease. Add a note on prudent diet. (2+9+4)

SHORT ESSAY QUESTIONS (All are compulsory):

5 X 10 = 50

3. Discuss various merits and demerits of sex education programme to school going children.
4. Discuss on importance of antenatal services. Add a note on risk approach in MCH. (6+4)
5. Define food adulteration. Describe various health hazards associated with food adulteration.
6. Discuss the challenges in providing tribal health services.
7. Write in brief about care of infants.

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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 (All are compulsory):

2 X 15 = 30

1. Define family planning. Discuss the scope of family planning services in India. (3+12)
2. Describe demographic trends in India. Add a note on demographic transition. (10+5)

SHORT ESSAY QUESTIONS (All are compulsory):

5 X 10 = 50

3. Discuss the causes & implications of social inequality.
4. Write in brief about natural methods of contraception. Add a note on 'Pear Index' (8+2)
5. What is fertility? Why India has high fertility rate as compared to western world?
6. Discuss the programmatic preparedness for conducting census in India.
7. What are the components of demography? Explain importance of migration in population growth.
