

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH

(A DEEMED TO BE UNIVERSITY)

Master of Public Health (MPH)

First Year Semester-I, February-2020 Examination.

Time: 3 Hrs.

[Max. Marks: 80]

Paper – I

General Epidemiology & Public Health Concepts

Your answers should be specific to the questions asked.

Draw neat labelled diagrams wherever necessary.

(Use Separate answer booklet for section A & B)

Section-A

General Epidemiology

(40 Marks)

Q.P Code: H1015

Long essay:

1 x 10 = 10 Marks

1. Define epidemiology. Classify various epidemiological methods. Describe in detail various elements under descriptive study.

Short essay:

6 x 5 = 30 Marks

2. Explain the biological transmission of disease with suitable example.
3. Mention the tools of measurement.
4. Explain types of surveillance and give suitable examples for each.
5. Write about study designs in epidemiology and discuss in detail about the Randomized Clinical Trials.
6. Explain the differences between generation time and incubation period.
7. The population of Belgaum district as per 2011 census is 47.8 lakhs. The number of live births in this district from April 2013 to March 2014 is 86,931. The number of infant deaths in the same period is 1003. Find the appropriate health indicators from the given information.

Section – B

(40 Marks)

Public Health Concepts

Q.P Code: H1016

(Use Separate answer booklet for section B)

Long essay:

1 x 10 = 10 Marks

1. How will you compare the health situations in two communities? What are the other uses of “indicators of health”?

Short essay:

6 x 5 = 30 Marks

2. Discuss the key segments in private health sector.
3. What is WHO health system framework? Elaborate on the building blocks of WHO framework.
4. Discuss the functioning of the Rogi Kalyana Samiti at Community health centre.
5. Describe the Concept of wellbeing with example.
6. Explain the Levels of prevention of disease with suitable example.
7. Write about the core strategies of National Urban Health Mission.

*** * ***

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH
(A DEEMED TO BE UNIVERSITY)

Master of Public Health

First Year Semester-I, February-2020 Examination.

Time: 3 Hrs.

[Max. Marks: 80]

Paper – I

Basic Human Biology & Sociology

Your answers should be specific to the questions asked.

Draw neat labelled diagrams wherever necessary.

(Use Separate answer booklet for section A & B)

Section-A

Basic Human Biology

(40 Marks)

Q.P Code: H1025

Long Essay

1 X 10 = 10 Marks

- 1 Draw a neat labelled diagram of a neuromuscular junction. In a flow chart represent transmission across a neuromuscular junction.

Short Essay

6X 5 = 30 Marks

- 2 State the normal serum calcium level. Name three hormones that regulate calcium levels in the body.
- 3 Mention the normal platelet count. List the functions of platelets.
- 4 Define blood pressure. State the normal values of systolic blood pressure, diastolic blood pressure and mean arterial blood pressure in an adult.
- 5 List the functions of stomach.
- 6 Define contraception. Give one permanent and temporary contraceptive methods in males and females.
- 7 List the refractive errors with their correction

Section – B

(40 Marks)

Sociology

Q.P Code: H1026

(Use Separate answer booklet for section B)

Long essay:

1 X 10 = 10 Marks

1. Discuss the consequences of Population explosion and its remedial measures to control it.

Short essay:

6 X 5 = 30 Marks

2. Write the Meaning and characteristics of urban community.
3. Mention the differences between urban and rural community
4. Mention the urban problems its remedial measures.
5. Explain the characteristics of sociology.
6. Write the meaning and characteristics of class.
7. Explain the functions and characteristics of family.

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH
(A DEEMED TO BE UNIVERSITY)

Master of Public Health

First Year Semester-I, February-2020 Examination

Time: 3 Hrs.

[Max. Marks: 80]

Paper – I

Basic Biostatistics & Demography

Your answers should be specific to the questions asked.

Draw neat labelled diagrams wherever necessary.

(Use Separate answer booklet for section A & B)

Section-A

Basic Biostatistics

(40 Marks)

Q.P Code: H1035

Long Essay

1 X 10 = 10 Marks

1. Following data are the birth rates of 30 states reported in India. Construct a frequency distribution for the data. What are the basic principles of frequency distribution?

22, 9.5, 10.2, 21, 26.5, 22, 17, 19, 22.1, 26, 32, 30, 9, 13.4, 14

23, 36, 25, 16, 14.6, 22, 21, 10.1, 29, 16.1, 17, 19.5, 34, 22.4, 16.3

Short Essay

6X 5 = 30 Marks

2. Normal distribution curves
3. Discuss various types of data with examples
4. Explain Measures of variability with examples
5. Role of diagrams in data presentation
6. Cluster random sampling
7. Mean as an ideal measure of central tendency 'Justify'

Section – B

(40 Marks)

Demography

Q.P Code: H1036

Long Essay:

1 x 10 = 10 Marks

1. Discuss the factors responsible for higher fertility in India. List out the fertility related statistics.

Short Essay:

6 x 5 = 30 Marks

2. Explain about the registration of vital events and population survey.
3. Discuss the barrier (spacing) methods of family planning.
4. Mention the advantages, side effects and complications of intra uterine devices.
5. Explain about the life expectancy.
6. Write a note on community need assessment approach.
7. Explain Total Fertility Rate (TFR) and Gross Reproduction Rate (GRR).

* * *