

[LP 1019]

OCTOBER 2019

Sub. Code: 1901

M.Sc. IN PUBLIC HEALTH EXAMS

FIRST YEAR

**PAPER I – PRINCIPLES OF EPIDEMIOLOGY
(INCLUDING FUNDAMENTALS OF RESEARCH DESIGN &
EVIDENCE BASED HEALTH)**

Q.P. Code : 281901

Time: Three hours

Maximum : 100 Marks

I. Elaborate on:

(2 x 20 = 40)

1. Discuss Natural h/o Diphtheria and the effectiveness of various levels of prevention.
2. You suspect the food at a newly established hotel in a town of 30,000 population to be the cause for increasing cases of Acid Peptic Disease. Describe the step by step procedure for establishing evidence by a cross-sectional study.

II. Write notes on:

(10 x 6 = 60)

1. Discuss the various parameters and their measurement to be included in a study on distribution of “harmful driving practices” in adolescents.
2. Compare and contrast Pathogenicity, Virulence and Incidence with an example.
3. Discuss “Human Development Index” as a measure of well-being.
4. What is bias? How will you identify the various bias in a given research?
5. Discuss usefulness of Receiver Operator characteristic curves in screening test.
6. Stratified Sampling – explain the methodology and the context where useful.
7. Discuss the five major elements of medical ethics.
8. Role of ICMR in maintaining ethics in research.
9. Discuss the ethical issues to be considered in a new drug trial.
10. Discuss the waxing and waning of Public health through history of medicine.
