

ENTRANCE EXAMINATION, 2018

MASTERS IN PUBLIC HEALTH

[Field of Study Code : MPHT (145)]

Time Allowed : 3 hours

Maximum Marks : 80

Instructions :

- Answer both Part—A and Part—B.
- Each question of Part—A carries 4 marks.
- Each question of Part—B carries 12 marks.

PART—A

Answer in short on any *eight* of the following :

4×8=32

1. What can be the various options for obtaining data on incidence of road traffic accidents in a State?
2. What study design would you choose for testing the efficacy of a vaccine and why?
3. What is a test of significance in bio-statistics? Give an example and its explanation.
4. Discuss the Critical Pathway Method for planning complex activities.
5. What are the epidemiological criteria for assessing the casual significance of an association?
6. Discuss the internationally accepted principles of ethics in bio-medical research.
7. How is the potability of water assessed?
8. What are the indicators used for assessing performance of Malaria control?

9. What is the difference between a survey and a surveillance?
10. Briefly discuss the steps in the investigation of an epidemic.
11. Explain the concept of the Normal (Gaussian) Curve and the conditions under which it can be applied.

PART—B

Answer **four** questions including Question No. 1 which is compulsory and other **three** from the rest :

12×4=48

1. Define what is epidemiology and explain in what ways it can contribute to health planning and policy analysis.
2. What are the major nutritional problems in India? Discuss their determinants and possible solutions.
3. Discuss the challenges in providing rural health care services in your country and possible solutions. Students from India should discuss the challenges with respect to India, while students from some other country should likewise discuss with respect to their country.
4. Enumerate and discuss the main features of the National Health Policy, 2017.
5. Discuss the status of Tuberculosis control in India. What are the barriers to achieving it?
6. Critically analyze the role of a referral system in the smooth functioning of public health services.
7. What are all Sustainable Development Goals that are relevant to health of populations? Explain how they relate to population health.