



## MANIPAL ACADEMY OF HIGHER EDUCATION

**FIRST SEMESTER MASTER OF PUBLIC HEALTH DEGREE EXAMINATION - NOVEMBER 2018**  
**SUBJECT: BASIC EPIDEMIOLOGY (MPH 601)**  
**(REGULAR)**  
**Monday, November 26, 2018 (14.00 - 17.00)**

**Marks: 70**

**Duration: 180 mins.**

### Long answer questions:

- 1) Explain descriptive study designs? Narrate two strengths and two weaknesses of: (10)  
i) Case reports  
ii) Case series  
iii) Cross-sectional  
iv) Ecological  
(2+(2 marks x 4 = 10 marks)
- 2) Discuss in detail different types of screening tests. Briefly explain the uses of screening, (10)  
and mention three differences between screening and diagnostic tests.  
(4+3+3 = 10 marks)
- 3) Assume that there is an outbreak of Japanese Encephalitis in a district in Uttar Pradesh. (10)  
How will you conduct a case-control study to assess the outbreak? How will you apply  
the concept of disease control in this case?  
(6+4 = 10 marks)
- 4) Explain briefly the levels of healthcare system in India. Critically appraise the current (10)  
challenges faced by each level, and your suggestions to tackle them?  
(3+3+4 = 10 marks)

### 5. Short notes:

- 5A) Spectrum of health (5)
- 5B) Social determinants of health (5)
- 5C) Stages of demographic transition (5)
- 5D) Advantages and disadvantages of analytical studies (5)
- 5E) Specific protection (5)
- 5F) Relevance of "time" in epidemiology (5)

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