



Institute of Health Management Research
MBA Hospital and Health Management
Batch-28th (2023-2025) Health Management
Second Year, Term 4 End Term Examination, November 2024

HEM-702 Applied Epidemiology

Time - 3 Hour

Maximum Marks: 50 (Minimum Marks: 20)

Instructions to students:

- This question paper contains 02 printed pages.
- Don't write anything on the Question Paper except writing your Enrolment No.

Part A

(Maximum Marks: 5)

Q1. State True/False for the following (1 mark each):

- (a). Cross Sectional studies are also called prevalence Studies. True / False
- (b). There is no association between exposure and outcome if Odds ratio is less than 1. True / False
- (c). Case Control studies are ideal choice for investigating common diseases. True / False
- (d). Case reports form the bulk of published medical literature. True / False
- (e). Secular trends is the term used to denote changes over a very short period of time. True / False

Part B

(Maximum Marks: 15)

Q2. Make a comparison in tabular form to explain as well as highlight the key the differences between each of the following given sets of terms (Attempt any three) (5 mark each):

- (a). Cross-sectional study and ecological study
- (b). Odds Ratio and Relative Risk
- (c). Incidence and Prevalence
- (d). Matching and Blinding
- (e). Surveillance and Monitoring

Part C

(Maximum Marks: 30)

Answer the following questions in detail (15 mark each):

- Q3.** Compare design features of Case Control and Cohort Studies. Briefly describe the advantages and disadvantages of each of these designs.
- Q4.** What is Bias? Briefly describe various types of biases.