

# Question Paper

Exam Date & Time: 20-Dec-2021 (10:00 AM - 01:00 PM)



## MANIPAL ACADEMY OF HIGHER EDUCATION

MASTER OF PUBLIC HEALTH DEGREE EXAMINATIONS - DECEMBER 2021  
SUBJECT: MPH 531 - RESEARCH METHODOLOGY DATA COLLECTION AND MANAGEMENT  
(BLOCK - III - EPIDEMIOLOGY/MATERNAL AND CHILD HEALTH/HEALTH POLICY/GLOBAL HEALTH)

Marks: 60

Duration: 180 mins.

Answer all the questions.

Long questions:

- 1) What is a narrative review and what are its different components? Explain steps of a narrative review. (10)  
(2+3+5 = 10 marks)
- 2) What is a case-control study? Explain the steps in a case-control study. What are the advantages and disadvantages of a case-control study? (10)  
(2+5+3 = 10 marks)

3. Short questions:

- 3A) Define and explain at least two types of validity of measurement instrument. (5)  
(2½ + 2½ = 5 marks)
- 3B) What is snowball sampling and explain where is it used? (5)  
(2½ + 2½ = 5 marks)
- 3C) What is a scoping review? Mention the steps of a scoping review according to the framework by Peters et al., 2015. (5)  
(2+3 = 5 marks)
- 3D) What is simple random sampling and list its advantages and disadvantages. (5)  
(2+3 = 5 marks)
- 3E) Explain DLHS. (5)
- 3F) What is Nuremberg code? (5)

4. Short questions:

- 4A) List down different modes of questionnaire administration. (2)
- 4B) Mention the advantages of a cohort study. (2)
- 4C) What is an Odds Ratio? (2)
- 4D) What is purposive or judgmental sampling? (2)
- 4E) From the below items, identify if it is an open ended or closed ended questions: (2)  
i) Have you ever in your adult life experienced viral infection?

- ii) What are your views on Omicron variant Covid-19 infection?
- iii) How would you describe using face mask?
- iv) Are you happy reading news about Omicron variant Covid-19 infection?  
( $\frac{1}{2}$  mark  $\times$  4 = 2 marks)

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