

# Question Paper

Exam Date & Time: 03-Feb-2020 (10:00 AM - 01:00 PM)



## MANIPAL ACADEMY OF HIGHER EDUCATION

THIRD SEMESTER MASTER OF PUBLIC HEALTH (EPIDEMIOLOGY) DEGREE EXAMINATION - FEBRUARY 2020  
SUBJECT: CLINICAL RESEARCH AND ETHICS (MPH 633)  
(REPEATERS)

Marks: 70

Duration: 180 mins.

Answer all the questions.

Essays:

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|-----|--|------|
| 1A) | Importance of protocol and data management plan in clinical trials.<br>(2+2 = 4 marks) | (4)  |
| 1B) | How will you establish and manage data for a multi-centric Nutrition trial?            | (6)  |
| 2)  | Discuss the requirements to determine whether a research trial is ethical.             | (10) |
| 3)  | Explain briefly the core elements of a clinical trial.                                 | (10) |
| 4)  | Enumerate the 10 important steps for drafting implementation research grants.          | (10) |

5. Short Notes:

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| 5A) | Mechanisms to ensure the rights and safety of participants in clinical research. | (5) |
| 5B) | PICO   | (5) |
| 5C) | Types of Randomization.  | (5) |
| 5D) | Intention to Treat Analysis.   | (5) |
| 5E) | Protocol deviation.  | (5) |
| 5F) | Advantages and disadvantages of face to face interview.                          | (5) |

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