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School of Biomedical Science

Master of Science in Medical Biotechnology

Mid Term Examination - Nov 2023

Duration : 90 Minutes

Max Marks : 50

Sem I - Q1PO103T - Research Methodology and BiostatisticsGeneral Instructions*Answer to the specific question asked**Draw neat, labelled diagrams wherever necessary**Approved data hand books are allowed subject to verification by the Invigilator*

- 1) Enlist tools for survey research. K2 (2)
- 2) Define experimental research with two examples. K1 (3)
- 3) Describe the characteristics of research methods. K2 (4)
- 4) Discuss significance of research methods with an example. K2 (6)
- 5) Discuss how a systematic review is more detailed and comprehensive than a narrative review. K3 (6)
- 6) Describe the critical check points of writing a manuscript and explain the significance of IMRaD structure. K3 (9)
- 7) Evaluate the steps of a research process with example. K4 (8)
- 8) Design a manuscript template (biotechnology/nutrition/clinical research domain) using IMRaD structure for mapping the life cycle of a scientific investigation. K4 (12)

OR

- Elaborate PRISMA and highlight the guidelines for writing a systematic review. K4 (12)