

School of Biomedical Science

**Master of Science in Healthcare and Clinical Research
Semester End Examination - Aug 2024**

**Duration : 180 Minutes
Max Marks : 100**

Sem I - Q1PM105B - Epidemiological StudiesGeneral 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

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|-----|---|--------|
| 1) | Recall risk ratio. | K1(2) |
| 2) | Explain prospective cohort study. | K2(4) |
| 3) | Summarize what is included in data management? | K2(6) |
| 4) | Identify the issues related to informed consent. | K3(9) |
| 5) | Describe Blinding. | K3(9) |
| 6) | Interpret the disadvantages of experimental epidemiology. | K5(10) |
| 7) | Examine the design of intervention studies. | K4(12) |
| 8) | Conclude the sequence of data analysis strategy. | K5(15) |
| 9) | Determine the potential pitfalls in case study and how can these be avoided? | K5(15) |
| 10) | In an outbreak of varicella (chickenpox) in Oregon in 2002, varicella was diagnosed in 18 of 152 vaccinated children compared with 3 of 7 unvaccinated children. Estimate the risk ratio. | K6(18) |