

School of Medical and Allied Sciences**B.Sc Cardiovascular Technology
Semester End Examination - Jun 2024****Duration : 180 Minutes
Max Marks : 100****Sem VI - BCVT6003 - Research Methodology and Biostatistics**General 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) Write the specific definition of research. K1(2)
- 2) What is the purpose of a research proposal? K2(4)
- 3) How does the literature review stage contribute to the research process? K2(6)
- 4) Describe the simulation research with a suitable example. K3(9)
- 5) Describe the structured and unstructured process of questionnaire method of data collection. K3(9)
- 6) Describe the questionnaire method of data collection. K5(10)
- 7) Discuss the different types of non-probability sampling in details. K4(12)
- 8) Define the term “research methods and research methodology” and distinguish between them. K5(15)
- 9) Deduce the standard deviation and mean deviation about the mean of the following data K5(15)

xi 2 6 8 12 15 19
fi 4 8 14 17 12 6
- 10) Describe in detail the Conceptual and Empirical research in details and explain it with examples. K6(18)