



- 3 (a) What are double blind experiments ? Explain giving a suitable example. 7
- (b) Wide range of herbal products for treatment of diabetes are available in the market. Design an experiment to test the effectiveness of these products on diabetes control using rat model or humans. 7
- OR**
- 3 (a) Write a note on replication and reproducibility of research and its importance. 7
- (b) Discuss research modeling and types of models in detail. 7
- 4 Answer the following questions in detail : 14
- (a) Discuss ANOVA.
- (b) Write a short note on model adequacy checking.
- 5 Answer any **two** of the following : 14
- (a) Write short note on spreadsheet application.
- (b) Discuss tools for graphical representation of the data.
- (c) Describe features and use of Microsoft power point as presentation tool.
- (d) Discuss Google *v/s*. Google scholar as a search engine.
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