

**Fourth Year Pharm D Degree Special Supplementary Examinations  
September 2024**

**Biostatistics & Research Methodology**

**Time: 3 Hours**

**Total Marks: 70**

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

**Essay:**

**(3x10=30)**

1. Describe about Report writing and Presentation of data
2. Explain about Chi square test.
3. Briefly discuss about, patient medication profiles.

**Short notes:**

**(8x5=40)**

4. Write a note on observational studies.
5. Write a note on research methodology design.
6. Construct and labelling pie charts.
7. Write about Null hypothesis.
8. Brief note on Wilcoxon Rank sum test.
9. Summarize about Relative risk.
10. Write the usage of computerized retrieval of drug information.
11. Highlight the role of computers in Community Pharmacy.

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