

**Q.P. Code: 105340**

**Reg. no.:** .....

First Pharm D Post Baccalaureate Degree Examinations, August 2014

**Paper V – Biostatistics & Research Methodology**

**Time: 3 Hours**

**Total Marks: 70**

- Answer all questions
- Draw diagrams wherever necessary

**Essay:**

**(3x10=30)**

1. Describe the significance of report writing. Add a note on the different types, steps and layout of report writing.
2. Explain the role of computers in community pharmacy setup.
3. Explain any one probability sampling technique using an appropriate example. Outline the properties of a normal distribution.

**Short notes:**

**(8x5=40)**

4. Kruskal-Wallis test.
5. Interventional studies.
6. Measures of dispersion.
7. Double blind study.
8. Pie charts and Scatter plots.
9. Chi square test.
10. Students t-test.
11. The plasma lipid level (mg %) of different dietary components is listed below:

Dietary Component	Plasma Lipid Level (mg/dl)	
	Males	Females
X	55	36
Y	40	54

$$x_{0.05}^2 \quad 1 = 3.84$$

Analyze if there is any association between them.

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