Code. No: 13339/PCI

FACULTY OF PHARMACY

M. Pharmacy (Common to All) III-Semester (PCI) (Suppl.) Examination,

August   2019

Subject : Research Methodology and Biostatistics

Time: 3 Hrs   **Max. Marks: 75**

Note: Answer any Five Questions. All Questions Carry Equal Marks.

1. a) What is meant by 'literature search'? Explain the methods for attempting literature search.
    b) List the crossover designs and their applications.   (10+5)

2. a) Describe the analysis of variance, one-way and two-way classification with the examples.   (15)

3. a) What are the benefits of an online business practices in medical field?
    b) Write on truth-telling as a part of medical ethics.   (10+5)

4. a) Explain the terms' quarantine', 'stabilization' and 'separation' of laboratory animals.
    b) Describe the goals and functions of CPCSEA.   (10+5)

5. a) Explain the historical backgrnd of human subjects research.
    b) What are the three principles of the Belmont report?   (10+5)

6. a) Explain the procedures of hypothesis testing. What are Type 1 and Type 2 errors?
    b) Explain the objectives of research with examples.   (10+5)

7. a) What is the significance of p value? Describe the steps involved in interpretation of the p value.

    b) What is the significance of 'informed consent' in clinical trials or human subjects. research? Explain the elements of informed consent.   (10+5)

8. a) Describe the record keeping and SOP's in animal hse facility.
    b) Discuss the values and medical ethics.   (10+5)

****