KOLHAN UNIVERSITY, CHAIBASA

Ph.D Course Work

SYLLABUS FOR COURSE WORK (For Science faculties)

PAPER - 1

(Compulsory Paper)

Full Mark - 100

University Exam. - 70 Marks

Internal Assessment - 30 Marks

Pass Mark - 50

- > UNIT :- 01 Research Methodology :-
- 1. Introduction of Research Methodology: Meaning of Research, Objective of Research, Types of Research Significance of Research.
- 2. Research Design: Meaning, Need and Features of Good Research Design, Types of Research Designs, Basic Principles of Experimental Design, Design of Experiments.
- ➤ UNIT :- 02
- 1. Data Collection: Primary and Secondary Data, Methods of Collection.
- 2. Hypothesis: Definition, Testing of Hypothesis, Procedures of hypothesis testing, Flow diagrame for hypothesis testing, Parametric and Non Parametric Tests for Testing of Hypothesis.

Limitation of test of hypothesis.

- > UNIT: 03 Data Processing and Analysis:-
- 1. Biostatistics: Correlation Co-Efficient, Simple Linear Regression, Students "T" Test, Chi-Square test, ANOVA One Way, Two Way and Multiple Way.
- 2. Computer Science

Introduction to computer and their application:

(WINDOWA, WORD, EXCEL, POWER POINT)

COMPUTER NETWORK AND WORLD WIDE WEB

Internet, Email. Database and Management System – information Retrieval – Use of Computer for Stastical Analysis.

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