PH.D. COURSE WORK IN EDUCATION

The course work is designed of 09 Credits having 03 Credits of each of the following components:

Course - I Educational Research Methodology 03 Credits
Course - II Analysis of Data and Computer Applications 03 Credits
Course - III Orientation to Review of related literature & allied aspects 03 Credits

Course : I Educational Research Methodology (By assignment)

Unit - I: An Introduction to Educational Research

1. Human inquiry and Science
2. Paradigms, Theory and Educational Research
3. Research Process
4. Research Design
   - Logic of Sampling & Sampling Procedure
   - Research Tools - Questionnaire
      - Scales, Indexes

Unit - II Research Methods

1. Survey research
2. Experimental research
   - Randomized group design
   - Factorial design
3. Developmental research
4. Case study

Unit - III Research Writing

1. Research proposal writing
2. Research report writing
3. Research paper writing
4. Articles writing
Course: II Analysis of Data and Computer applications:

(By Interview-assessing preparation)

Unit - I Descriptive Statistical Methods
1. Quantification of data
2. Organization & graphic presentation of Data
3. Descriptive Statistics

Unit - II Testing of Hypotheses & Analysis of Qualitative data
1. t - test
2. F - test
3. $\chi^2$ - test
4. Analysis of Qualitative data

Unit - III Computer applications in analysis of Data
1. Introduction to Excel
2. Data analysis Using Excel
3. Introduction to SPSS
4. Data analysis using SPSS

Course - III Orientation to Review of related literature & allied aspects

(Practicum work) (Actual work related to candidates research problem - submission)

1. Review of related literature
   - need
   - Methods
2. Theoretical review in the context of problem of the study.
3. Review of past researches in the context of problem of the study.
The course work designed of 09 Credits having 03 Credits of each of the following components along with its evaluation system given below:

Course - I  Educational Research Methodology 03 Credits  (By Assignment)
Course - II  Analysis of Data and Computer Applications 03 Credits  (By Interview-assessing preparation)
Course - III  Orientation to Review of related literature & allied aspects (Practicum work) 03 Credits  (Actual work related to candidates research problem-submission)