

**CHAUDHARY BANSI LAL UNIVERSITY, BHIWANI**

(A State University established under Haryana Act No. 25 of 2014)



**DEPARTMENT OF COMMERCE**

**Examination Scheme**

**&**

**Syllabus**

**For**

**Ph.D. Coursework**

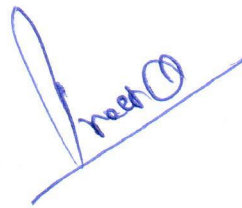
**w.e.f. Session (2019-20)**

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**PROGRAMME SPECIFIC OUTCOMES**

**Ph.D.**

- P.S.O.1. Ability to review the existing research on a given topic.
- P.S.O.2. Ability to identify gaps in the existing research in accounting, business and trade.
- P.S.O.3. Ability to apply tools of research for conducting research in business and industry.
- P.S.O.4. Acumen to connect micro and macro level research with respect to present commerce practices.
- P.S.O.5. Acquisition of necessary skills to present research in a universally accessible standard formats.
- P.S.O.6. Aptitude to write research report.

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**Scheme of Examination**  
**Ph.D. Course Work (Commerce)**  
**Basic Structure**

The duration of the course of instruction of Ph.D. Coursework (Commerce) Degree shall be half year (One Semester). The detailed Scheme of the course is given below:

Sr. No	Course Code	Nomenclature	Theory	Practical	Internal Assessment	Total	L-P	Credits	Contact Hrs. Per Week
1	19COMP01	Research Methodology	80	-	20	100	4-0	4	4
2	19 COMPH 02-A	Essentials of Thesis Writing	50	50	-	100	2-4	4	6
	19 COMPH 02- B	Quantitative Techniques and Computer Applications	50	50	-	100	2-4	4	6
3	19 COMPH 03	Review of Literature and Seminar	-	50+50	-	100		4	4
		Total				300			

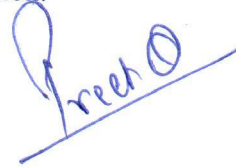
**Total Credits: 12**

1. Written examination in the paper "Research Methodology (19COMP01)" of 80 marks shall be held at the term end of the course. The question paper in each subject shall be set by an examiner based on the syllabus prescribed. Internal assessment of the paper "Research Methodology (19COMP01)" shall be awarded by the teacher concerned out of 20 marks as prescribed under ordinance by the Ch. Bansi Lal University, Bhiwani for Commerce P.G Programme.
2. The students will have to select one option from the both of papers for "Essentials of Thesis Writing" (19 COMPH 02 A) and "Quantitative Techniques and Computer Applications" (19 COMPH 02 B).
3. Written examinations in the papers "Essentials of Thesis Writing (19 COMPH 02 A)" or "Quantitative Techniques and Computer Applications" (19 COMPH 02 B) of 50 marks shall be held at the term end of the course. The question paper in each subject shall be set by an examiner based on the syllabus prescribed (Unit-I and II). Unit- III and IV will carry 50 marks and the students will be given a practical test which will be internally evaluated.
4. In paper "Review of Literature and Seminar" (19 COMPH 03)", each scholar will be required to conduct an extensive review of 10- 15 papers in the relevant topic. The research papers should be from reputed journals published in the last 5 years. A report of 20 pages will be submitted by the scholar consisting of a comparative analysis of research methodology, data analysis techniques and findings of different papers. The scholar will be required to study the resources, methodology, features and literature on

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the allotted topic/area and present a seminar and prepare a comprehensive report which will be submitted to the Supervisor on the scheduled date to be decided by the Supervisor. The performance will be evaluated on the basis of submitted literature and presentation given by the scholar before the evaluation committee.

5. The qualifying marks in each paper of the course shall be 50%.
6. English shall be medium of instruction and examination.



**Ph. D. Course Work (Commerce)**

Course Code: 19 COMPH 01

Nomenclature: Research Methodology

Scheme of Examination

L:4, P:0 Credits:4

Maximum Marks: 100  
Time: 3 Hrs.  
Theory: 80  
Internal Assessment: 20

**Course Outcomes:**

C.O.1. Acquisition of basic skills, tools of research, concept of research, stages and procedures of research.

C.O.2. Ability to apply technical aspects of research

C.O.3. Acquisition of necessary knowledge of the use of computers and ICT for research

**Instructions for the Paper-Setter and the Students**

The Examiner shall set nine questions in all covering the whole syllabus. Question No. 1 will be compulsory covering all the units and shall carry 8 small questions of 2 marks each. The rest of the 8 questions will be set from all the four units. The examiner will set 2 questions from each unit out of which the candidate shall attempt four questions selecting one question from each unit. All the questions shall carry 16 marks each.

**Unit-I**

**Introduction to Research:** Meaning and Significance of Research, Types of Research, Process of Research, Research Approaches, Research Design: Exploratory, Descriptive and Causal, Research Application in Business Decision, Criteria for Good Research.

**Formulation of Research Problem:** Problems Identification and Definition, Process of Problem Identification, Developing a Research Proposal

**Unit-II**

**Quantitative Research:** Development of Research Hypotheses: Formulation of Various Research Hypotheses, Sampling Design: Universe, Sample Vs. Census, Sample Frame and Sampling Unit, Sample Size Determination, Sampling and Non-Sampling Errors, Concepts of Sampling Design, Criteria of Good Sampling Design. Data Collection Methods: Classification of Data, Research Application of Secondary Data, Secondary Data Sources and Usages, Online Data Sources.

**Unit-III**

**Quantitative Methods of Data Collection:** Observation Method, Content Analysis, Focus Group Method, Personal Interview Method and Projective Techniques.

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**Primary Data Collection Methods:** Online Surveys, Questionnaire Design Procedure, Research Applications of Primary Data

#### Unit-IV

**Qualitative Research:** Meaning, Objectives, Distinguish between Qualitative Research and Quantitative Research, Methods of Qualitative Research: Interviewing, Observing and Participating, Case Study, Grounded Theory, Phenomenology, Ethnography, Historical, Using Visual Methods and Documents,

**Sampling in Qualitative Research:** Sampling Frames, Access and Opportunity, Advantages of Qualitative Methods for Exploratory Research, Is Quantitative Experience applicable to Qualitative Research, Sampling in Qualitative Research, Ethical Guidelines in Qualitative Research, Importance of Research Ethics in Qualitative Research

#### Text Book

1. Research Methodology by Dr. Deepak Chawla and Dr. Neena Sondhi by Vikas
2. Qualitative Researching by Jennifer Mason by SAGE Publishing
3. Malhotra Naresh K., Marketing Research: An Applied Orientation, Pearson Education India.
4. Gujarati D N and Sangeetha, *Basic Econometrics*, Tata McGraw Hill.

#### Reference Books

1. Donald Cooper and Pamela Schindler, *Business Research Methods*, Tata McGraw Hill.
2. Hair, Black, Babin, Anderson and Tatham, *Multivariate Data Analysis*, Pearson.
3. Levin & Rubin, *Statistics for Business*, Prentice Hall of India, N. Delhi.
4. Gupta S.P. & Gupta M.P. *Business Statistics*, Sultan Chand & Sons, Delhi.
5. Anderson, *Quantitative Methods in Business*, Thomson Learning, Bombay.
6. Anderson, *Statistics for Business & Economics*, Thomson Learning, Bombay.
7. Chandan, J.S. *An Introduction to Statistical Methods*, Vikas Publishing House, New Delhi.
8. Bhardwaj, R.S, *Business Statistics*, Excel Books, 2000
9. Hooda, R.P. *Statistics for Business and Economics*, Macmillan India, New Delhi
10. S.N.Murthy and U Bhojanna. *Business Research Methods*. Excel
11. K.V. Rao. *Research Methodology in Commerce and Management*. Sterling



**Ph. D. Course Work (Commerce)**

Course Code: 19 COMPH 02

Nomenclature: Essentials of Thesis Writing

Scheme of Examination

L:2, P: 4 Credits: 4

Maximum Marks:	100
Time:	2 Hrs.
Theory:	50
Practical:	50

**Course Outcomes:**

- C.O.1. Understanding of the thesis writing in a clear and logical manner.  
C.O.2. Ability to apply digital tools in thesis writing  
C.O.3. Comprehensive understanding of issue of what to do after submitting one's thesis- namely, getting it published.

**Instructions for the Paper setter and the Students**

Question No. 1 will be compulsory covering two units (Unit-I and II) and shall carry 5 small questions of 2 marks each. Question No. 1 will be of 10 marks. The examiner will set 2 questions from each unit out of which the candidate shall attempt two questions selecting one question from each unit. All the questions shall carry 20 marks each. (20 Marks X 2 Questions=60 Marks)

**Course Content:****Unit I**

**Deciding on the Topic/Area of Research:** Distinguish between Thesis and Dissertation, Objectives of Writing Thesis, choosing a Suitable Research Area, Assessing Availability of Facilities, Infrastructure and Resources

**Plan for Conduct of Research and Analysis:** Observational and Interventional Study Designs

**Unit II**

**Structuring the Material and Writing the Thesis:** Preparing a Title Page, Abstract and Table of Contents Page, Writing the Review of Literature in a Thesis, Drawing Observations from Data and Making Conclusions, Preparing Figures and Tables, Citations and References with Citation and H-Index

**Editing the Thesis:** Editing for Language and Avoiding Ambiguity in Data Presentation.

**Unit- III and IV will carry 50 marks and the students will be given a practical test which will be internally evaluated.**

**Unit III**

**Publishing and Presenting the Research Work:** Preparing Manuscript from Thesis Material and Selecting Journals for Submission

**Presenting Thesis in Conferences:** Oral and Poster Presentation

Poster will be prepared by students.



**Unit IV**

**Application of Internet in Research:** Search through Search Engines of data bases such as JSTOR, Directory of Open Access Journals (DOAJ), Use of E-Books and Online Texts, Use of E Journals, Use of E- library, use of EBSCOhost, Online Research Databases, online database of Academic Libraries

**Application of Software in Research:** Online Reference Writing, Statistical Packages for Data Analysis, English Language and Other Software Used in Thesis, Plagiarism Software

**Text Book**

Thesis Writing for Master's and Ph.D Program by Subash Chandra Parija, Vikram Kate by Springer

**Suggested Reading**

B.H. Dursten &: Thesis and Assignment Writing, Wiley Eastern, 1977 M. Poole

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**Ph. D. Course Work (Commerce)**

Course Code: 19 COMPH 02

Nomenclature: Quantitative Techniques and Computer Applications

Scheme of Examination

L:2, P: 4 Credits: 4

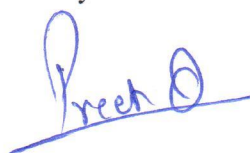
Maximum Marks:	100
Time:	2 Hrs.
Theory:	50
Practical:	50

**Course Outcomes:**

- C.O.1. Understanding of the quantitative techniques in a clear and logical manner.
- C.O.2. Ability to apply statistical tools in analysis of thesis
- C.O.3. Comprehensive understanding of issue of online software in thesis writing

**Instructions for the Paper setter and the Students**

Question No. 1 will be compulsory covering two units (Unit-I and II) and shall carry 5 small questions of 2 marks each. Question No. 1 will be of 10 marks. The examiner will set 2 questions from each unit out of which the candidate shall attempt two questions selecting one question from each unit. All the questions shall carry 20 marks each. (20 Marks X 2 Questions=60 Marks)

**Course Content:****Unit I****Hypothesis Testing:** Tests of Significance, Procedure of Hypothesis Testing**Parametric Tests:** t-test, z-test and F-test.**Non Parametric Test:** Run Test, Median Test, Sign Test, Wilcoxon Matched Paired Test, Mann-Whitney U-Test, Kruskal Wallis H-Test, Friedman Test and Wald-Wolfowitz number of Run Test.**Unit II****Statistical Analysis****Bi-variate Analysis:** Chi-square only**Multivariate Analysis:** Factor Analysis, Discriminant Analysis, Cluster Analysis, MANOVA, Structural Equation Modelling and Conjoint Analysis

Unit- III and IV will carry 50 marks and the students will be given a practical test which will be internally evaluated.

### Unit III

**Introduction to SPSS:** Defining Variables, Data Entry, Data Transformation, Saving Output, Explore, Pivot Table, Recording, Manipulating and Selecting Data

**General Functions:** Charts and Graphs, Editing Charts and Graphs, Scatter Plots Descriptive Analysis, Crosstabs, Reliability and Validity Analysis

### Unit IV

**Regression Analysis:** Simple and Multiple Regression, Assumptions of Normal Linear Regression Model (CNLRM), Dummy Variable Regression Models, Methods of Regression

**Time Series Analysis:** Basic Concepts, Stationarity, Unit Roots, Co-Integration, Granger Causality and Error Correction Model.

### Text Book

1. Malhotra Naresh K., Marketing Research: An Applied Orientation, Pearson Education India.

### Reference Books

1. Donald Cooper and Pamela Schindler, *Business Research Methods*, Tata McGraw Hill.
2. Gujarati D N and Sangeetha, *Basic Econometrics*, Tata McGraw Hill.
3. Hair, Black, Babin, Anderson and Tatham, *Multivariate Data Analysis*, Pearson.
4. Levin & Rubin, *Statistics for Business*, Prentice Hall of India, N. Delhi.
5. Gupta S.P. & Gupta M.P. *Business Statistics*, Sultan Chand & Sons, Delhi.
6. Anderson, *Quantitative Methods in Business*, Thomson Learning, Bombay.
7. Anderson, *Statistics for Business & Economics*, Thomson Learning, Bombay.
8. Chandan, J.S. *An Introduction to Statistical Methods*, Vikas Publishing House, New Delhi.
9. Bhardwaj, R.S, *Business Statistics*, Excel Books, 2000
10. Kothari C.R., *Quantitative Techniques*, Vikas Publishing House, New Delhi



**Ph.D. Course Work (Commerce)**

Course Code: 19COMP03

Nomenclature: Review of Literature and Seminar

Maximum Marks: 100

Total Credits: 4

**Course Outcomes:**

- C.O.1. Learning of the mechanics and dynamics of reviewing literature
- C.O.2. Ability to search, collect, evaluate and present the available research on a given topic
- C.O.3. Ability to make presentation

**Bifurcation of Marks**

Review of Literature Report	50 Marks
Seminar through Power Point Presentations	50 Marks

**Instructions for the Scholars**

1. The scholar will get necessary guidance for the paper "Review of Literature and Seminar" (19COMP03)
2. The scholar shall review 10 to 15 research papers on given topic. The research papers should be from reputed journals published in the last 5 years. He/ She shall submit a copy of Review of Literature on the relevant research topic. A report of 20 pages will be submitted by the scholar consisting of a comparative analysis of research methodology, data analysis techniques and findings of different papers.
3. The scholar shall present seminar before the evaluation committee.
4. The scholar shall prepare a comprehensive report which will be submitted to the Supervisor on the scheduled date to be decided by the Supervisor.
5. The performance will be evaluated on the basis of submitted literature and presentation given by the scholar before the evaluation committee.

