M.J.P.Rohilkhand University, Bareilly Faculty of Advanced Social Sciences

PRE-PH.D. COURSE IN ANCIENT HISTORY & CULTURE/MED. OR MODERN Note:

1. There shall be Pre-Ph.D. course work of six months (One semester) duration.

2. Ancient History: There shall be three papers viz. (I) Research Methodology in History/Ancient History & Culture. (II) Sources of Ancient Indian History/Medieval & Modern Indian History. (III) Philoso9phy of History and Historiography.

3. Each paper shall carry maximum 100 marks, 70 marks of these shall be assigned to Main examination and 30 marks for Internal Assessment, Mid-Sem test, Practical Work/Field Visit/Assignments/ Participation/Presentation/Attendance, etc.

4. Minimum pass marks shall be 40% in aggregate, subject to a minimum 40% in Main Examination and Internal Assessment separately in each paper.

5. If the candidate fails in the examination, he shall be allowed to reappear in examination in next year as ex-student. If candidate again fails in the examination, his admission will be cancelled.

6. 75% attendance will be compulsory in each paper and Practical Work/Field Visit/Assignments/Participation/Presentation.

7. The Rules regarding fee structure, etc. will be the same as decided by the University from time to time.

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Paper T

ANCIENT HISTORY / HISTORY

Max Marks

Note:

Essay Type Questions

History as a Subject:-

History-Meaning, Nature and Scope. History and its relations with allied disciplines. History as Science or Art. Sources of History-Primary & Secondary:

Problem of authenticity of sources-internal & external criticism.

Collection and selection of source material or data. Analysis and interpretation of data (Facts). Objectivity and bias in History. Causation and generalization in History.

Techniques of Research:-

Choosing or selection of subject (Topic). Hypothesis, Preparation of synopsis; Cauterization, Bibliography.

Execution of Research: (Writing of History of thesis writing) Collection of material-notes taking, presentation of Historical evidences.

Plagiarism, documentation of research work and references (Foot noting).

Preliminary draft and final draft (final bibliography and appendix or appendices (if any).

Essential features and importance of the review of literature, especially in the proposed field of research. Review of the books, articles published and the unpublished thesis/dissertations also. Justification of proposed topic of research in lieu of deficiencies and uncovered areas of earlier researches.

Paper : SOURCES OF INDIAN HISTORY

The Paper has been divided into four units. The paper-setter is required to set essay type questions proportionately from all these units. The students are required to attempt all questions from each unit. All the questions shall carry equal marks.

Either (1) Sources of Ancient Indian History

Unit I: Archaeological sources: Nature and utility;

Varieties - Stone Tools, Pottery, Coins (Numismatics),

Inscriptions (Epigraphy), Monuments.

Unit II: Literary Sources :- (A) Religious literature as Source of History:-

Vedic literature, Epics, Puranas and Dharmasastra; Problems of chronology, and contents. Buddhist literature (canonical and non-canonical), Survey of canonical literature of Jainism.

Unit III: (B) <u>Scientific and Secular literature</u>: major works on Astronomy, Medicine and Mathematics; the Arthasastra tradition; Sangam literature and later Tamil works (especially epics).

Unit IV: (C) <u>Biographies and Foreign accounts</u>:- Navasasankacharita and Vikramankadevacharita; Megasthenes, Fa-Hien, Hiuen-Tsang and Al-biruni.

(OR)

(2) Sources of Medieval Indian History

Unit I: Sultanate Period

(i) Isami's Futuh - us - Salatin

(ii) Shams ud-din Siraj Afif: Tarikh-i-Firuz Shahi

(iii) Yahya ibn Ahmad Sarhindi : Tarikh-i-Mubarak Shahi

Unit II: Mughal Period:-

(i) Gulbadan Begam: Humayaun Namah

(ii) Abbas Khan Sarwani: Tarikh-i-Sher Shahi

(iii) Nizam ud-din Ahmad : Tabaqat-i-Akbari

(iv) Muhammad Saqi Mustaid: Maasir i-Alamgiri.

Unit III: Autobiographies :-

(i) Futuhat-i-Firoz Shahi

(ii) Tuzuk-i-Baburi

(iii) Tuzuk-i-Jahangiri.

Unit IV: Travellor's Accounts: - Ibn Battuta, Abdul Razzak, Francois Bernier, I.B. Tavernier.

(OR)

(3) Sources of Modern Indian History

Unit I: Nature, Scope and utility of Archival Records;
General view of Archival Records preserved at National Archives of India, New Delhi and Rajasthan State Archives, Bikaner related to Modern Indian History.

Unit II: Survey of the holdings of Nehru Museum and Library, New Delhi with special reference to Institutional papers of (a) AISPC and (b) Women Organizations.

Unit III: (a) Newspapers and Periodicals as a source,

(b) Autobiographies, Memoirs and Dairies as a source for Modern Indian History.

Unit IV: (a) Significance of Collected Works of Gandhi, Nehru and Patel;

(b) Contemporary literature as source of History with special reference to Bankim and Prem Chand.



Paper III: Philosophy of this bory and this toriography

	(A)	Idea of History Research Methodology The Nature, Scope, Value, subject-	
	(i)	The state of the s	11/4
PE	(ii)	Wishard and O. O. A. C.	
LI	(iii)	Histoical objectivity.	
	(iv)	and Scolety.	
	(v)	Historical Programs.	- 7
	(B)	Research Methology	-

- Introduction 1.
- Natures and Scope of History 2.
- Value and Subject matter of History 3.
- Structures and form of History 4.
- Historical Methodology and Stutus of Historical Knowledge 5.
- History-Science or Arts 6.
- The Problem of Objectivity in History 7.
- Is History Law Governed Process/ 8.
- Individual and Society 9.
- Growth of Historiography 10.
- Greek Historiography 11.
- Church Historiography 12.
- Survey of Source Materials 13.
- Theo0ries of History: Hegal, Mart, Spenglar and Toyanbee 14.
- Indian Historiography 15.
- Ideas of History in Ancient India 16.
- Evolution of Ancient Indian Historiography-Vedic, Epics and Puranas, Pali Canons and commentaries, Ceylonese Chronicles, Charita Literature, Kashmir Chronicle and Tamil 17. Historical Tradition





DEPARTMENT OF ANIMAL SCIENCE

Mahatma Jyotiba Phule Rohilkhand University, Bareilly

PROPOSED Ph.D. COURSE WORK (Animal Science / Zoology)

Paper-I: Research Methodology (to be prepared by the University). M.M: 70 Paper-II: Animal Science / Zoology.

Unit-1

- Systematic parasitology & identification of parasites using taxonomic 1. tools.
- Environmental parsitology: macro & micro environmental influence 11. on parasite incidence.

Unit-2

- Factors affecting soil fertility, bio-reclamation, and research i. methodologies for evaluating soil parameters.
- Organic waste management, constrains of solid waste production, ii. accumulation and bio-management, vermi-remediation, and metal toxicity of minerals in earthworms.

Unit-3

- Structure and function of Hypothalamo hypothyseal gonodal axis. i.
- Structure and function of Thyroid, Parathyroid and adrenal glands. ii.

Unit-4

- Microbes: Prokaryotes vs. Eukaryotes, basic concepts of prokaryotes; i. Ultra structure of bacterial cell wall and Gram staining.
- Acellular microbes: General biology- characteristics, structural ii. . composition and replication of a typical virus; Bacteriophagescharacteristics, replications and applications.

Internal Assessment: 30

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Unit-1

- Microscopy: Basic Principle and types (light, florescent, confocal and a. SEM).
- Spectrophotometry: Principle and application of UV vs. Vis b. Spectrometry.

Unit-2

Chromatography: Principle of GEL filtration, ion exchange and affinity chromatography.

Unit-3

Electrophoresis: Principle and applications of PAGE & Agarose GEL electrophoresis.

Unit-4

Statistical tools: Means, Varians, Standard error and test of Significance, Analysis of Variance (ANOVA) and Chi-square test Simple application.

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महात्मा ज्योतिबा फुले रुहेलखण्ड विश्वविद्यालय,बरेली । M.J.P. ROHILKHAND UNIVERSITY,BAREILLY. FACULTY OF MANAGEMENT DEPARTMENT OF BUSINESS ADMINISTRATION

April 21, 2014

The Registrar

Ref: Letter No. RU/Research Misc/2014/1168-74 dated 25.3.2014 Dear Sir,

Please refer the aforesaid letter No. RU/Research Misc/2014/1168-74 dated 25.3.2014. Kindly find attached herewith syllabus for candidates

who want to peruse Ph.D. in Business Administration and Commerce.

rof. P.K.Yadav) Head & Dean

Encl: As above

Syllabi for Candidates pursuing PhD programme in Business Administration/Commerce

The candidates willing to pursue PhD in Business Administration/Commerce have to study two papers during the six months coursework as prescribed under UGC norms.

Paper I (Research Methodology) will be compulsory for all candidates and it will carry 100 marks. Out of these 100 marks 70 marks will be based on external evaluation consisting of written examination and 30 marks will be based on internal evaluation consisting of minor project report presentation and evaluation.

Paper II will be related with the specialization area of the candidate. This paper consists of subparts II (A), II (B), II (C) and II (D). From these the candidate has to select one sub part depending on his/her area of specialization. This paper will carry 100 marks. Out of these 100 marks 70 marks will be based on external evaluation consisting of written examination and 30 marks will be based on internal evaluation based on continuous assessment including written test.

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Paper I

Research Methodology

UNIT-I

Introduction

Meaning of Research; Objectives of Research; Research Problem formulation; Different Research Designs.

UNIT - II

Data Collection & Data Preparation

Scaling: Meaning & classification; Important Scaling Techniques. Data Types: Primary & Secondary Data; Qualitative Methods of Data Collection; Attitude Measurement; Questionnaire Development; Secondary Data Collection Methods. Sampling Design: Census and Sample Survey; Sample Designs- Probability and Non-Probability Sampling; Sample Size. Data Processing – Editing; Coding; Classification & Statistical Software Packages.

UNIT'- III

Preliminary Data Analysis

Descriptive Analysis; Hypothesis Testing- Introduction; Parametric tests: Hypothesis testing of means; Difference between means; Proportions; Variance; Correlation Coefficients. Analysis of Variance. Non-Parametric tests or Distribution-free test: Sign Test; Signed Rank test; Rank Sum tests; One sample Run test; Chi-square test.

UNIT-IV

Data Analysis

Correlation & Regression; Factor Analysis; Discriminant Analysis; Cluster Analysis; Multidimensional Scaling.

UNIT - V

Research Report

Presentation – Diagrams; graphs; charts. Types of Reports; Report Structure; Mechanics of writing a Research Report. Oral presentation - preparation; Delivery; Audio Visuals.

Paper II (A) Finance Finance

- Financial Policy
- Foreign Exchange Risk Management
- Derivatives
- Valuation of Business and Mergers & Acquisitions
- Recent Developments in International Capital Market
- Important Issues in Finance & Accounting

Paper II (B) Marketing

- Recent Advances in Marketing
- Supply Chain Management
- Organized Retailing
- Important Issues in Rural Marketing
- Recent Issues in Service Marketing
- Brand & Product Mix Strategies

Paper II (C) **Human Resource Management**

- Performance Management & Competency Mapping
- Leadership Issues & Organizational Management
- Managing Workforce Diversity & Industrial Relations
- Issues in Organization Culture & Organization Development
- Knowledge Management
- Recent Issues in HRM

Paper II (D) **International Business**

- Recent Advances in International Trade
- Financial Issues in International Business
- Cultural Issues in International Business
- WTO, IMF & World Bank
- Issues in International Marketing
- Recent Developments in International Business



Ph.D.Course work in Chemistry/ Applied Chemistry:

There shall be three Papers in one Semester Course work for Ph.D.

Paper-I: Research Methodology (Common for all students of Ph.D.)

Paper-II: Techniques in Chemistry

Paper-III: Advanced Chemistry

S.No.	Details of Paper	Maximum	Sessionals	End
	terreligites de discharges.	Marks	THE PARTY OF	Semester
1.	Research Methodology	100	30	70
2.	Techniques in Chemistry	100	30	70
3.	Advanced Chemistry	100	30	70
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- 1. Each paper shall be of 100 marks out of which 30 marks shall be awarded based on sessionals and rest 70 shall be based on End Semester Examination.
- 2. Sessional shall be awarded based on two mid semester tests of 15 marks each.
- 3. A minimum of 50% marks in each paper shall be required to clear the course work.
- 4. If a student fails to clear any of the paper in first attempt, he/she shall be given one more chance in the next year to clear the paper/ papers.
- 5. Other provisions for clearing the one semester course work shall remain same as per existing provisions of Semester system M.Sc. Ordinances of the campus.

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Bepartment of Applied Chemistry.
Institute of Engineering & Technology
Institute of Engineering & Technology
Schilkhand University, Bareilly - 24350

Paper-II Techniques in Chemistry

Unit-I: Different Chromatographic Techniques

Chromatography terms, Techniques by chromatographic bed shape, Column chromatography, Planar chromatography, Paper chromatography, Thin layer chromatography, Displacement chromatography, Techniques by physical of mobile Gas chromatography, Liquid phase, Affinity chromatography, Supercritical chromatography, chromatography, Techniques by separation mechanism, Ion exchange chromatography, Size-exclusion chromatography, Expanded Bed Adsorption (EBA) Chromatographic Separation, Special techniques, Reversed-phase chromatography, Two-dimensional chromatography, Simulated moving-bed chromatography, Pyrolysis gas chromatography, Fast protein liquid chromatography, Countercurrent chromatography, Chiral chromatography

Unit-II:

Green Chemistry

Basic Principles of Green Chemistry; Designing a Green Synthesis: Choice of starting materials, choice of reagents, choice of catalysts, choice of solvents; Green reagents: Polymer supported chromic acid, polymeric thermoanisoyl resin, poly-N-bromosuccinimide (PNBS), polymeric carbodiimide, polysterene anhydride, sultonazide polymer, polystyrene Wittig reagent, polymeric phenylthiomethyl lithium reagent, polymer supported peptide-coupling agent;

Green catalysts: Acid catalysts, oxidation catalysts, basic catalysts, polymer supported catalysts, polystyrene-aluminium chloride, polymeric super acid catalysts, polystyrene-metalloporphyrins, polymer supported photosensitizers;

Phase transfer catalysis for green synthesis: Organic synthesis in solid phase; Versatile ionic liquids as green solvents, Applications of Microwaves for Environmentally benign Organic Chemistry, Sonochemistry

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Unit-III: Computer Programming for Chemists

Basics of Computer Operating System: using windows- Directory structures-Command structure (Document preparation, EXCEL, Power Point Presentation); Word Processing: Basics of Editing and Word Processing; Numerical Plotting: Figure insertions in documents; Web Browsing for Research: Usage of Webs as a tool for scientific Literature survey; Error Analysis: Basics of a measurement and its interpretation, mean, standard Deviation, Varaiance, Correlation Coefficient, Usage of Packages(e.g. ORIGIN, EXCEL) for data analysis: Curve Fitting: Linear and Non Linear fitting of data

Unit-IV: Chemistry of Semiconducting Materials

Semiconductor Devices, High Temperature superconductive materials, conducting polymers, solid and liquid-dye-sensitized solar cells, semiconductors& nano Materaial, computational analysis

Electro Chemical investigation by cyclic voltametry and circulation of gross elaectron population, Density functional treatment of molecules and non linear optics

Unit-V: Basics of NMR and Mass Spectroscopy:

Basic NMR techniques, Chemical shift, J-coupling, Second-order (or strong) coupling, Magnetic inequivalence, Deuterated solvents, Correlation spectroscopy, Biomolecular NMR spectroscopy, Proteins, Nucleic acids, Carbohydrates

Basics of Mass spectroscopy; X-axis: m/z (mass-to-charge ratio), Alternative x-axis notations, History of x-axis notation; 2 Y-axis: signal intensity, Y-axis and relative abundance

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Paper III

Advanced Chemistry

Unit-I: Synthetic Organic Chemistry

Heterocyclic compounds of therapeutic value, Phenothiazine and sulpha drugs, Some aspects of the Chemistry of cycloalkanes with particular reference to their synthesis and properties, Carcinonogens.

Unit II: Basic Concepts of Drug Development

General Aspects of Medicinal Chemistry: A brief history and classification of drugs, main phases of drug activity, measurement and expression of drug effects.

Drug targets: General mechanisms of drug action on lipids, proteins, carbohydrates and nucleic acids.

Pharmacokinetics: Drug absorption, distribution, metabolism, excretion, administration, dosing, formulation and delivery systems.

Lead Compound Discovery Strategies: Search for new lead compounds, natural product pharmaceuticals, basics of Combinatorial Chemistry and high-throughput screening.

Drug Design: Primary exploration of structure-activity relationships (SARs), identification of pharmacophore, drug optimization strategies, prodrugs, drug alliances and endogenous compounds as drugs.

Drug Development: Preclinical and clinical trials, patenting and regulatory affairs, chemical and process development.

Unit-III: Organic Named Reactions

Arbuzov Reaction, Bamford-Stephens Reaction, Barton Olefin Synthesis, Baylis-Hillman Reaction, Barton reaction, Bergman Reaction, Biginelli Reaction, Corey-Kim Oxidation, Mitsunobu Reaction, Jones Oxidation, Jacobsen Epoxidation, Fischer Oxazole Synthesis, Fischer Indole Synthesis, Sharpless Epoxidation, Simmons-Smith Reaction, Swern Oxidation, Nef reaction, Grubbs reaction,

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Danshiefsky diene reaction, Dess-Martin oxidation reagent, Recent organic name reactions.

Unit-IV: Chemistry of Macromolecules

Functionality of Monomers, Degree of Polymerization, Types of Polymerization, addition, Condensation and co-Polymerization, Glass transition temperature(Tg), Number average, weight average and Viscocity average molecular weight of polymers

Unit-V: Bio Inorganic Chemistry

Fundamentals of Bioinorganic Chemistry, elements in body, geo-chemical effects on distribution of metals, Metal ions in biological system and their classification as Trace, Toxic, essential and non-essential. Metal ions their excess and deficiency. Toxic metal ions, fundamentals of Toxicity and Detoxification or chelation therapy. Designing of chelating agents and metal chelates as medicines. Coordination compounds in medicine. Metal complexes and their interaction with nucleic acids, Role of alkali/alkaline earth metals in bio-systems, Role of metal ions in replication and transcription process of nucleic acids, Synthetic and natural oxygen carriers and their mechanism, Non-heme Iron-sulfur proteins, Fixation of dinitrogen biologically and abiologically, Metal ions as probes for locating active sites. Anti-oxidants. Role of Metal ions in antioxidants, metal ion enhancing catalytic activity of enzymes (Biocatalysts). Metals in the regulation of biochemical events, Transport and storage of metal ions *in vivo*. Metal complexes as probes, Chemotherapeutic application of metal complexes-a general survey.

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Division of Table

Paper-3: Advances in Information Technology and Simulation Techniques

Unit 1: Introduction to Mobile Communications and Computing,

System architecture, Protocols, Motivation for a specialized MAC (Hidden and exposed terminals, Near and far terminals), Mobile IP, Traditional TCP, Indirect TCP, Snooping TCP, Mobile TCP, Fast retransmit/fast recovery, Transmission /time-out freezing, Selective retransmission, Transaction oriented TCP. Cellular Network: Handoff Management Challenges and Protocols, Cross Layer Handoff Mechanism, Network and Link Layer Mobility Management Schemes, Location Management Protocols, Case Study: GLRP (Gateway Location Routing Protocol), BLRP (Boundry Location Routing Protocol), Open Issues in Mobile and Handoff Management.

Unit 2: AD-Hoc Networks:

Mobile Adhoc Networks (MANET), Research issues and challenges in MANET, Protocols and layers, Medium Access Control, Routing in Mobile Ad Hoc Networks, Categories of Routing Protocols for MANETs, (Proactive, Reactive, Hybrid), case study: DSR, WRP, CBRP, ZRP. Security Issues and threats in MANET, Importance of energy awareness and Qos Provisioning in MANETs. Issues VANETs, vs MANETs. Research issues and challenges for Wireless Sensor Networks, Enabling Technologies for Wireless Sensor Networks, Architectures and design, MAC, Network and Transport layer issues in WSN, Case study: LEACH.

Unit3: Information Security

Introduction to Information Hiding Model and Techniques; Steganography, Cryptography, Authentication Method and Message Digest (simple X-OR, MD and one-way hash function), Digital Watermarking: System Model, Issues, Types and Techniques (Spatial and Transform domain); Security Issues- Attacks; Security Measurement Benchmark: STIRMARK.

Unit 4: Network Simulator 2 (NS2):

Introduction to NS2, Purpose and Installation, Background and architecture, Protocol support for NS2, creation of network scenario for wired and wireless networks, Running NS2 and NAM, Working of NS2 commands, Routing protocols in wireless scenarios, Routing protocol support, Trace files and formats, Analyzing traces, manual commands, use of scripting languages (AWK and shell), Energy model in wireless scenarios.

TEXT BOOKS:

- 1. Jochen Schiller, "Mobile Communications", Addison-Wesley, second edition, 2004.
- 2. MartynMallick, "Mobile and Wireless Design Essentials", Wiley DreamTech, 2003.
- 3. Sudip Misra, Isaac Woungang, Subhas Chandra Misra, "Guide to Wireless Ad Hoc Networks" (Published by Springer-Verlag London Limited 2009.
- 4. Holger Karl & Andreas Willig, "Protocols And Architectures for Wireless Sensor Networks", John Wiley, 2005.
- 5. Hunt et al, "A Guide to MATLAB: For Beginners and Experienced Users", Cambridge University Press.

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Paper -2: Advances in Computation Techniques and Applications

Unit 1: Soft Computing:

Introduction to soft computing, Fuzzy sets to membership functions, Formulation and parameterization, Fuzzy rules and fuzzy reasoning extension principle, Fuzzy relations and fuzzy if then rules, Input partitioning and modelling, optimization, Neural Network, McCulloch Pitt, Types of Models, Neural processing, Learning (Hebbian, Perceptron, Delta, Widrow Hoff, Winner take all), EBPTA, Applications: character recognition.

Unit 2: Pattern classification

Issues in classifier design, learning from examples, classification and regression problems, Examples of classifiers, Nearest neighbour, 2-class Bayes classifier for 0-1 loss function, Linear discriminant functions for 2-class case, Generalization abilities of a classifier, basics of f statistical learning theory, empirical risk minimization.

Unit 3; Image Processing and Applications:

Introduction, Interpreting Histograms, Image Acquisition, Image Defects, Computing Histograms, Linear Filters, Formal Properties of Linear Filters, Nonlinear Filters, Implementing Filters, Gaussian Filters, Nonlinear Filters, Gradient-Based Edge Detection, Morphological Filters, Basic Morphological Operations, Color Images: Conversion to Grayscale, Desaturating Color Images.

Unit 4: Parallel Computing and Applications:

Parallel Programming Paradigms, Parallel Architectures, Open MPI & PRAM Model of Computation, interconnection networks and routing, Models of Parallel Computation, Complexity, Memory Consistency, Parallel Program Design, Shared Memory & Message Passing, MPI, CUDA Algorithms.

Unit 5: Introduction to MATLAB:

Matlab interface, basic programming techniques, using variables, MATLAB commands, arrays, Advanced Matlab Programming Techniques., file i/o, string handling, Introduction to Numerical Methods, interpolation of data, plotting, curve fitting, linear regression, error analysis, curve fitting, function calls, Data Visualization and Statistics: Basic statistical tools in Matlab and more advanced data visualization tools(2D and 3D data visualization), Introduction to Graphical User Interfaces in Matlab.

Text Books and References:

- 1. Jyh-Shing Roger Jang, "Neuro-Fuzzy and Soft Computing: A Computational Approach to Learning and Machine Intelligence", Prentice Hall.
- 2. R. O. Duda, P. E. Hart and D. G. Stork, "Pattern Classification", John Wiley, 2002.
- 3. Ananth Grama, George Karypis, Vipin Kumar, Anshul Gupta, "Introduction to Parallel Computing", Second Edition, , Addison-Wesley, 2003.
- 4. Rafeal C. Gonzalez, Richard E. Woods, "Digital Image Processing", Second Edition, Pearson
- 5. Michael Jay Quinn, "Parallel Computing: Theory and Practice", McGraw Hill.
- 6. MATLAb help

Ph. I course work en Fine Arts (Fixara) Fundamentals of visual arts - line, colour, form, tonal values, texture & space. Pounciples of the isual outs - Unity, harmony, balance, dominence, rhythm & proposition The uses of two & three dimensions, perspective & fore shortening. Unil-II - Traditional & Modern techniques, processes à procedures used in making pty. sculpture, print-making, mural, graphic design à multimedia. Unit-III - Relevance of the study of aesthetics is of visual arts. Unit-IV - Study of landmark phases a eminent in artists in Western art history from pre historic limes to contemporary from all the point of new of ideology, material, as leeknique, themes, style, formal a partylistic development. Unil- I - The study of various stages of Indian art history from pre-history to 20ther century, from the point of new of general formal a stylistic features. The study of Folk, tribal a craft practices from all over the India. Unil-VI - Development of modernity in 19th & 20th century. Study on various art movement i.e. Faurism, Cubism, Sworealism, Dadaism, impressionism ele. Maule 13/6/14. Contemped Associate Profit. PWaem 18/6/17

M.J.P.Rohilkhand University, Bareilly Faculty of Advanced Social Sciences

Department of Applied & Regional Economics Pre-Ph.D. Course in Applied & Regional Economics/Economics

Note:

- 1. There shall be Pre-Ph.D. course work of six months (One semester) duration.
- 2. There shall be three papers, viz. firstly, Research Methodology in Economics; secondly, Research Issues in Economics and thirdly, Quantitative & Econometric Techniques.
- 3. Each paper shall carry maximum 100 marks, 70 marks of these shall be assigned to Main examination and 30 marks for Internal Assessment, Mid-Sem test, Practical Work/Field Visit/Assignments/ Participation/Presentation/Attendance, etc.
- 4. Minimum pass marks shall be 40% in aggregate, subject to a minimum 40% in Main Examination and Internal Assessment separately in each paper.
- 5. If the candidate fails in the examination, he shall be allowed to reappear in examination in next year as ex-student. If candidate again fails in the examination, his admission will be cancelled.
- 6. 75% attendance will be compulsory in each paper and Practical Work/Field Visit/Assignments/Participation/Presentation.
- 7. The Rules regarding fee structure, etc. will be the same as decided by the University from time to time.

Paper I: Research Methodology

Module- I

: Concept of Research

Definition of Research, Characteristics of Research, Types of Research – Applications/Objectives/Enquiry mode, Paradigms of Research, Eight Steps Research Procedure.

Module- II

Review of Literature & Problem Identification

Literature Review, Sources of Literature, Maintaining Literature data using Endnote, Determining referencing procedure, For the Problem area to be identified, study efforts of past researchers and determine the anticipated variables to be studied. Determine the approach being developed in unique. Problem Formulation, Identifying Variables to be studied, determine the scope, limitations and or assumptions, Justify basis for assumption, Formulate time plan for achieving targeted problem solution. Analytical Techniques associated with the Problem Formulation.

Module- III

Research Design

Definition of Research Design and its Functions, Types of Research Design: Descriptive, Analytical, Exploratory and Experimental Research Design, Research Instrumentation, Availability, Training, Theoretical Conceptualization, Setting up of experiments, understanding instrumentation characteristics, focusing on the information processing with output results, examples, DSC, SEM, FTIR, etc. Data Collection Forms, Validity, Reliability of Data, Calibrating Instruments.

Module- IV

Organization and Presentation of Data

Processing Data for Editing, Coding, Developing Framework for quantitative analysis, Displaying Data Histogram, Bar Chart, Stacked Bar Chart, Frequency Polygon, Pie Chart, Scatter Gram, Mathematical Modeling, Statistical Modeling, Data Mining to perform predictive testing of measurable parameters research, Measurement and Scaling Technique.

Module -V

Data Analysis

Measures of Central Tendency – Mean, Mode, Median, Geometric Mean, Measures of Dispersion and Skewness, Random Variables, Discrete Probability Distributions, Continuous Probability Distributions, Standard Normal Distribution, Use of Tools like Matlab, Excel, Minitab, etc.

Module-VI

Testing of Hypothesis & Research Findings

Parametric and Non-Parametric Hypothesis, Confidence Intervals, Chi-Square Tests and Multivariate Analysis, Analysis of Variances.

Analysis and result interpretation, Bartlett's Test, Coohran's Test for testing Hypothesis, Experimental Design.

Interpretation of Statistical Results. Derivation of Research Findings and Conclusions.

Module -VII

Review of Research and Report Writing

Presenting research outcomes, Compiling Reports using Latex, Determination of shortfalls in achieving targeted objectives, Identifying Problems and re-describing final objectives, Research Report- Types of Reports, Methods of Report Writing and Presentation.

Module-VIII

Computer Application in Research

Basics of Computer, Use of latest research techniques and software with computer using SPSS, DSS, Excel, Page Maker, etc.

BOOKS RECOMMENDED:

Research Methodology - A Step by Step Guide for Beginners by Ranjit Kumar, Sage Publications.

Research Methodology - Methods and Techniques by C.R. Kothari, New Age International

Research Methodology - K R Sharma

Curlinde

Paper II: Research Issues in Economics

Module- I

Need and Significance of Research in Social Sciences particularly in Economics

Module- II

Economic Theory

Consumer's behaviour, production, market structure and pricing. distribution & Welfare.

Module- III

Growth, Development and Regional Planning

Economics of Developed & Underdevloped Countries, Developmental issues in Indian Economy, Unemployment, Poverty, Illiteracy, Regional Disparities, Economic Inequalities, Planning in Liberalized Economy and Manpower Planning.

Module-IV

Agriculture & Rural Development

Food Security, Irrigation and other Agricultural Inputs, Land Reforms, Rural Credit/Finance, Agricultural Marketing and Warehousing, Agricultural Labour, Non-Farm Activities

Module-V

Industrial Development

Large Scale Industries, Small Scale & Cottage Industries, Agrobased Industries, Industrial Estates.

Informal sector/Unorganised Sector, Small Business and Enterpreneurship, Labour Problems & Industrial Relations, Human Resource Management.

Module-VI

Economics of Infrasturctuere

Energy, Transport & Communication, Social Sector Development, Economics of Education and Health, Urbanization, Demography & Environmental Studies

Module-VII

Public Finance, Public Utilities & Public Enterprises

Money, Banking and Financial Market, Financial Institution, Financial Managment

Module-VIII

India's foreign Trade and Policy, International Trade/Foreign

Exchange.

International Business, Documentation, Procedure & Logistics, Foreign Collaboration/Foregn Investment, International Banking and Finance, Interanational Organizations - IMF, World Bank, hill

WTO

Books Recommended

Ruddar Dutt & K.P.M. Sundharam- Indian Economy
Ahuja, H.L.- Advanced Economic Theory
Hicks, J.R. - Value and Capital
Viner J. - International Trade & Economic Development
Adhikari, M- Economic Environment of Business
S.C. Kuchchall - Industrial Economy of India
Sen- Strategy for Agricultural Development
Bhagwati, J. & Srinivasan, T.N. (Eds.)- Foreign Exchange
Regimes and Economic Development
Levis W.A.- Principles of Economic Planning
Laxmin Narain - Principles & Practice of Public Enterprises
Phillip Locklin - Economics of Transportation

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Paper III: Quantitative & Econometeric Techniques

Module-I

Production Function: Micro and Macro Production Function, Properties and Estimation of the Production Function, the Cobb-Douglas and CES Production Functions, Trans-log and other forms of production function.

Module-II

: Market Equilibrium - Multiple Production by monopolist, Discriminating Monopoly, Duopoly

Moduel-III

: Input-Output Analysis

Assumption, Technological coefficient, closed and open Input-Output Model

Linear Programming

Graphic Method, Simplex Method, Duality Transporation problem

Module-IV

Project Planning

PERT & CPM

Networking Analysis, Time Estimate in New Work Analysis

PERT Cost

Crashing and Resource Allocation

Module-V

Financial and Investment Analysis

Financial Ratio Analysis, Liquidity ratio, Leverage Ratio, Activity Ratio, Profitability Ratio, Evaluation of Firms Earning Power, Comparative Statement Analysis, Trend Analysis, Inter-Firm Analysis, Dupont Analysis

Investment Analysis: Phase of Investment Decision, Time value of Money, Anuuities

Cash Flows from investment, Measures of Project Appraisal Investment Analysis under Risk: Techinical Analysis & Fundamental Analysis

Module-VI

Regression Analysis: Simple and Multiple Regressions

Multiple Regression with two explanatory variables, Test of Overall Significance of Regression, Partial Correlation Coefficient, Significance tests of parameters, R² and adjusted R² Consequences and remedies of Problem of Multi-collinerity Auto Correlation - Nature of the Problem, Consequences of using OLS in the presence of Auto-Correlation, Detecting Auto-Correlation-Graphical Mentod, Durbin-Watson 'd' statistics, Remedial Measures.

Regression Analysis of Time-Series & Cross Section data, Chow-Test, Business Forecasting, Construction of Econometric, Models in India: Selected Illustrations.

Module-VII

Foreign Trade Analysis

Inter-Industry Trade (Vertical):

Measurement of Bilateral Trade, Gravity Model, Trade Intensity approach, Delta coefficient

Instra-Industry Trade (Horizontal):

SITC: Primary Goods (N), Labour Intensive (L), Capital Intensive (K), Kojima Model

Degree of Concentration:

Hirschman Index Method, Competitiveness of Export DRC Approach, FVC Approach, CMS Model

Module-VIII

Regional Planning Analysis

Concept, Classification and Choice of Indicators Construction of Composite Indices

Index Method, Ranking Method, Principal Composite Analysis or Factor Analysis, Classification of Development, Cluster Analysis

Books Recommended

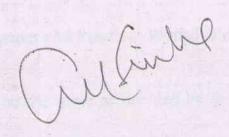
R.G.D. Allen - Mathematical Economics

Mehta & Madnani - Mathematics for Economics

Levis and Kirkpatric - Quantitative Approach to Management

Theil, Book, Klock - Operation Research and Quantitative Economics

V.R. Panchmukhi - Trade Policy of India- A Quantitative Analysis



MJP ROHILKHAND UNIVERSITY, BAREILLY Syllabus of Pre-Ph.D Course Work in Education

Course Structure: There will be following three papers:

1. PAPER-I: Research Methodology, Quantitative Techniques and Computer Applications in Research

2. PAPERI-II: Tenets and Components of Education

3. PAPER-III: Emerging Trends in Education & Educational Research

Scheme of Evaluation: Pattern of evaluation shall be as under

Sl.no	Title of the paper	Maximum Marks				
	essarch Mittiedology, Oremical	External Evaluati on	Internal Evaluation*	Total Marks	Minimum Marks	
1	Research Methodology, Quantitative Techniques and Computer Applications in Research	70	30	100	40	
2	Tenets and Components of Education	70	30	100	40	
3	Emerging Trends in Education & Educational Research	70	30	100	40	

* In each paper internal evaluation of 30 marks will be done as follows:

Paper I: A) Presentation of Library based assignments:

A-I (Identification of research problem, Writing references and bibliography, Writing abstract/summary/ Review Articles, Review of related literature.)

10 Marks

A-II preparation and presentation of research synopsis:

10 Marks

B) Assignments based on computer uses in Research:

(i. *Use of excel and Use of SPSS, ii. Presentation of data through graphical software*):

10 Marks

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er	II:	10 marks
A)	Participation in Group discussion and group work:	10 marks
·B)	Preparation and presentation of a Seminar paper.	

C) Determination of research priorities on any one unit of the syllabus.

10 marks

 Paper III: Writing a review article (by using web resources) Preparation of Power point presentation on any topic of educa Preparation of a Research paper (by using any standardized too 	10 marks ion 10 marks 1) 10 marks
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PAPER-I

Research Methodology, Quantitative Techniques and Computer Applications in Research

Objectives -

- 1.To familiarize the students with the nature of research in general and educational research in particular.
- 2. To train the students to design and conduct a scientific inquiry.
- 3. To train students to use Web tools for conduct of Research
- 4. To enable the student to prepare research proposal
- 5. To enable the students to analyze the data quantitatively and qualitatively and draw valid conclusions.
- 6. To train the students to write the research report.
- 7. To enable the students to contribute research papers for educational journals, conferences and seminars.
- 8. To train students to evaluate Educational Research

UNIT:1 Introduction to Educational Research

- 1.1 Nature, Meaning, Characteristics of Research and Educational Research
- 1.2 Need and Significance of Educational Research
- 1.3 Purpose of Research: Basic or Fundamental, Applied and Action Research
- 1.4 Qualitative research concept and types
- 1.5 Areas of Educational Research: Problems related to Content, Different Stages and Sectors of Education and Teaching process
- 1.6 Steps in Research process

UNIT:2 The Research Problem and Preparation of the Research Proposal

2.1 Selection of the Problem

- 2.2 Use of reference material source, library survey and internet surfing
- 2.3 Variables- Dependent, Independent, Intervening, Control
- 2.4 Delineating and Operationalizing variables

2.5 Writing Objectives

- 2.6 Framing Hypothesis Directional and Non Directional Hypothesis
- 2.7 Steps in Preparation of Research Proposal

UNIT:3 Tools and Techniques for Data Collection

- 3.1 Sampling: Concept of Population and Sample, Characteristics of a Good Sample, Non Probability Sampling, Probability Sampling, Methods of Sampling: Random, Stratified, Purposive, Cluster and Quota Sampling, Sampling Errors and how to reduce them
- 3.2 Tools of Educational Research
- 3.2.1 Concept, types, forms, preparation (Construction), characteristics, validity, reliability, advantages and limitations of following tools: Questionnaire, opinionative, Interview, Observation, Rating scale, Attitude scale, Check-list
- 3.2.2 Standardized tests: Types and characteristics, Criteria for selecting a standardized test.

UNIT:4 Quantitative Methods

- 4.1 Use of quantitative method in research
- 4.2 Types and sources of data
- 4.3 Data analysis for specific type of data
- 4:4 Tabulation and graphical representation
- 4.5 Descriptive Statistics Measures of Central tendency, Variability & Correlation
- 4.6 Parametric Techniques t-test, F test (one way & two way ANOVA)
- 4.7 Non Parametric Techniques chi square & Mann Whitney U test

UNIT-5 Computer Applications for Research

- 5.1 Word processing
- 5.2 Data processing
- 5.3 Graphical processing
- 5.4 Usè of web-2 tools for research
- 5.5 Use of excel

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5.6 Use of SPSS

5.7 Use of graphical software

5.8 Use of multimedia tools

UNIT: -6 Writing of Research Report and Its Evaluation:

- 6.1 General and Essential Considerations Format of Thesis/Dissertation, Quotations, Footnotes, references, Bibliography, Table and illustrations, Style and Typing,
- 6.2 Probable errors aroused while report writing

6.3 Criteria for evaluating research report

Practicum:

A) Presentation of Library based assignments

- 1. Identification of research problem
- 2. Writing references and bibliography
- 3 Writing abstract/summary/ Review Articles
- 4. Review of related literature
- 5 preparation and presentation of research synopsis.

B) Assignments based on computer uses in Research

- 1. Use of excel and Use of SPSS
- 2. Presentation of data through graphical software

Readings Material:

Best, J. W. and James V. Kahn (1986) Research in Education. New Delhi: Prentice Hall of India

Coburn, Peter at. al. (1982). Practical guide to computers in Education. California: Wesley Publishing Co.

Engalh art, Max D. (1972) Methods of Educational Research Chicago: Rand McNally and Company.

Entuistle, N. J. (1974) The Nature of Educational Research, Educational Studies A third level course, Methods of Educational enquiry- Block I., Milton Kenya: The Open University Press

Kothari, C. R.()Research Methodology - methods and techniques. New Delhi: Wiley Eastern Ltd

Edward, A.L. (1969), Technique of Attitude Scale Contruction, Bombay: Vakils Fetter, and Simons.

Good, C.V.(1972), Essential of Educational Research Methodology and

Design, New York; Appleton Lentary crafts.

Guilford, J.P. (1982), Psychometric Methods, New Delhi, Tata McGraw Hill.

Black Thomas (2001) Understanding Social science Research, New Delhi: Sage Publications

Fern. Edward F. (2001) Advanced Focus Group Research, New Delhi : Sage **Publications**

Galtung, Johan(1967) Theory and Methods of social research. London: George Allen and Unwin Ltd.

Mariampolski, H. (2001) Qualitative Market Research - A Comprehensive

Guide, New Delhi: Sage Publications India

Mason, Emanuel J. and William J. Bramble. (1978) Understanding and Conducting research. Applications in Education and Behavioral Sciences. New York: McGraw Hill Book Co.

Mouly, George, J. (1964) The Science of Educational Research Ne Mitzel (Ed.) (1982) Encyclopedia of Educational Research Free Press

PAPERI- II Tenets and Components of Education

Objectives:

1) To enable the research student to know the inter relationship between education and philosophy.

2) To enable the research student to apply the global perspectives in

education and sociology.

3) To enable the research student to know the psychological aspects in educational psychology.

4). To train the students into the design and conduct of a scientific inquiry in Educational Psychology.

5) Evaluation of Researches in Educational philosophy, sociology and psychology

.Unit: 1 Philosophical foundations of Education:

- 1.1 Philosophy: meaning, branches and philosophical enquiry
- 1.2 Educational philosophy: nature, need and components
- 1.3 Emerging trends and techniques in the research of educational philosophy
- 1.4 Research priorities in educational philosophy

Unit- 2: Sociological foundations of Education:

- 2.1 Relationship of Sociology and Education
- 2.2 Sociological Aspects of Education,
- 2.3 Scope and significance of Educational Sociology
- 2.4 Co- Relationship between Education and Society
- 2.5 present status of researches and Research priorities in educational Sociology

Unit- 3: Psychological foundations of Education:

- 3.1 Main Features of Psychological foundation of Education
- 3.2 Emerging trends of research in different aspects of psychology and Educational psychology
- 3.3 Determining research priorities in Psychological foundation of Education

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Unit- 4: Pillars of Education and Tensions in Education according to Dellor' Commission

Unit- 5: National Knowledge Commission

Right to Education Act (RTE) Unit-6:

Reforms in Examination and Evaluation Unit-7:

Children with special needs and their education:

- 8.1 Children with sensory and physical disabilities, Intellectual and learning disabilities,
- 8.2 Individualized Educational Programme (IEP), Inclusive education
- 8.3 Present status of researches and Research priorities in the area of special education.

PRACTICUM:

- 1. Participation in Group discussion and group work
- 2. Preparation and presentation of a Seminar paper.
- 3. Determination of research priorities on any one unit of the syllabus.

Readings Material:

- Pandey, R.S. An Introduction to Major Philosophies of Education, Agra; Vinod Pustak Mandir.
- Sharma, S.R. Philosophy of Education, New Delhi; Mohit
- Publications.
- Kabir, Humyum: Indian Philosophy of Education Asia Publishing House, Mumbai.
- Ramchandani S.: Great thoughts on Education, D.V.S. Publication Distribution, Guwahati.
 - Dutt,N K, Psychological Foundation of Education, Doaba House New Delhi. C
 - Tilak, Jandhyala B. G. (Ed.) (2003). Education society and Development National andInternational Perspectives. New Delhi: APH Publishing Corporation.
 - Tanaja, V. R. (1987) Socio Philosophical Approach to Education. New Delhi: Atlantic Publishers and Distributions
 - UNESCO(1996)Learning: The Treasure Within
 - Hall, Elizabeth et. al. (1983). Psychology toady An Introduction (5th Ed.) New York: Random House Inc.,.

- Hulse, Stewart H. Howard Egeth and James Dase (1985). *The Psychology of Learning*.(5th Ed) New York: McGraw Hill Book Company.
- Husen, Torstan (Ed.)(1965). The International Encyclopedia of Education and Studies. Vol. 3 New York: Pergamon Press
- Lawson, R. B., Steven, G. G. and Richard, F. M. (1975). Principles and Methods of Psychology U. S. A: Oxford University Press
- Englewood Cliffs, Dececo, J.P. (1977). The Psychology of learning and instruction, Delhi: Prentice Hall,
- Guilford, J.P. (1967). Nature of Human Intelligence, New York: McGraw Hill.
- Report of the Delors Commission, UNESCO, 1996.

PAPERI- III Emerging Trends in Education & Educational Research

Objectives:

- 1To enable the student to be aware of the recent trends and advances in the field of Educations.
- 2) To enable the student to apply the knowledge of recent trends for teaching, research and administration.
- 3. To enable students to evaluate Educational Planning in India.
- 4. To enable the research student to apply the electronic media in teaching and learning .
- .6. To train students to use Web tools for conduct of Research
- 7. To enable the students to contribute research papers for educational journals, conferences and seminars.
- **Unit-I**: Higher education in the context of liberalization, privatization and Globalization
- Unit-2: Recent developments and planning in the field of education in India:

8

A: Sarva Shiksha Abhiyan (SSA)

B: Rashtriya Madhyamic Shiksha Abhiyan(RMSA)

C: Rashtriya Uchchatar Shiksha Abhiyan (RUSA)

Unit-3: State and Central agencies working for Quality assurance in Higher education: UGC, NCTE, NCERT, SCERTs, NAAC

Unit-4: Changing roles and responsibilities of teachers:

- 4.1 Modern concept of teacher competence and innovative techniques of teacher behaviour modification
 - 4.2 Future perspectives in Teacher Education
- 4.3 Status of researches and Research priorities in the area of teacher competence and teacher behaviour

Unit-5: ICT in Teaching Learning and Training:

5.1 Use and significance of ICT in face to face teaching-learning conditions and open Learning system.

5.2 Use of Wikipedia, wiki educator and other web-based technologies for online learning and training.

e- Learners and e-educator interaction using web tools e-mail,

5.4 chat, conferencing discussion forum,

5.5 Development and use of Power point presentation.

Unit-6 ICT Application in Educational Research:

6.1 Use of ICT in reviewing published work

6.2 Use of ICT in creating on- line and off-line resource centers: e- library

6.3 Use of ICT in understanding Norms and standards of writing research papers and publishing papers;

6.4 Use of ICT in presentation of figures, designs, table components, Graphs.

6.5 Use of ICT in Downloading of international standards for writing – research report, references and biography

PRACTICUM:

1. Writing a review article (by using web resources)

2. Preparation of Power point presentation on any topic of education

on,

3. Preparation of a Research paper (by using any standardized tool)

Readings Material:

- Brennan W. K. (1982) Changing Special Education. Milton: The Open University Press
- Dunkin. M. J. (Editor) (1987) The International Encyclopedia of Teaching and Teacher Education. New York: Pergman Press
- Choudhary, Namita (2002). *Management in Education*. New Delhi : APH Publishing Corporation.
- Kour, B. N. Bakshish Singh and M. M. Ansari (1988) Studies in Distance Education. New Delhi: Association of Indian Universities and India Gandhi National Open University
- Rai, Amar Nath (2000) Distance Education: Open Learning Vs Virtual University Concepts. New Delhi: Authors Press.
- Thomas R. M ,Kobayashi V. N. (1987) Educational Technology New York: Pergman Press
- Torstein, H.T. (Ed-in-Chief)(1985) *The International Encyclopedia of Education* Vol. 19 T.Neville Post Letwarte: Pergman Press
- Wittrock M. (1986) Handbook of Research on Teaching. New York: Macmillan and Co.
- Mukhopadyaya M. (1989). Year Book: Educational Technology.New Delhi: AIAET..
- Dharma, O.P .and Bhatnagar O.O Educational and Communication for Development New Delhi : Oxford and IBG
- Khanna S.D et.al (1984) *Technology of Teaching and Teacher Behavior* New Delhli: Doaba House
- Beck, Clive & Clark Kosnik Albany (2006) Innovations in Teacher Education: A social Constructivist approach .New York: State University
- Linda Darling. Harmmond & John Bransford (2005) Preparing Teachers for a changing World. John Wiley & Son Francisco.
- Mohammad Miyan (2004) Professionalisation of Teacher Education.
 New Delhi: Mittal Publications
- NCTE (1998) Policy perspectives in Teacher Education. New Delhi.

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NCTE (1998). Competency Based and Commitment Oriented Teacher Education for Quality School education. New Delhi.

NCTE (1998)Policy perspective in Teacher Education- Critique and

Documentation New Delhi

Ram, S.(1999) Current Issues in Teacher Education. New Delhi: Sarup & Sons Publication

- Rao, Digumarti Bhaskara (1998). Teacher Education in India. New Delhi: Discovery Publishing
- Report of the Education Commission (1964-66)
- Report of the National Commission on Teachers (1983-85)
- National Curriculum Framework for Teacher education, 2009
- National Policy of Education 1986/1992
- National Curriculum Framework on school education, 2005.

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MJP ROHILKHAND UNIVERSITY, BAREILLY SYLLABUS PRE-Ph.D COURSE WORK in ENGLISH/APPLIED ENGLISH_

Aims and Objectives of the Course:

The main objective of the course work is to provide exposure and training to prospective research scholars in research methodology in English. To acquaint them with various emerging and thrust areas for research in English which are still unexplored or under explored or which require serious after thought and new approach to tackle with. The syllabus has been designed to provide basic necessary skill in use of computers that has become almost indispensable for researchers.

There shall be three papers in pre-Ph. D. course which are as follows:

- i. Research Methodology
- ii. Recent trends in English Studies
- iii. Specialization in Research/ discourses in English

Sl. no	Title of the paper	Ma	aximum Marks		
		External Evaluation	Internal Evaluation*	Total Marks	Minimum Marks
1 .	Research Methodology	70	30	100	40
2	Recent Trends in English Studies	70	30	100	40
3	Specialization in Research/ discourses in English	70	30	100	40

^{*} In each paper internal evaluation of 30 marks will be based on the evaluation of assignments and practical work as mentioned below:

Practical Work/ Assignments

J 1

A. In each paper internal assessment shall consists of 30 marks. Each student will be required to complete four assignments; one will be book review, one term paper, preparation of basic outlines of synopsis and the other will be seminar/ presentation on any text.

B) Presentation of Library based assignments

- 1. Identification of research problem
- 2. Writing references and bibliography
- 3 Writing abstract/summary/ briefs
- 4. Review of related literature
- 5 preparation and presentation of research synopsis
- 6. Power point presentation

Paper I

Research Methodology

Max. Marks 100

Unit I

- A. Meaning and Objectives of Research
- B. Collection and Organization of Research Material
- C. Problem of plagiarism

Unit II

Mechanics of Writing a Thesis

Chapterization

Citation

Bibliography

Format of a Thesis

Language of Research

Unit III (Classroom Practical/assignment)

Preparing Synopsis:

Problem of the study/ hypothesis

Purpose of the study

Exposition

00

Review of literature Tentative chapters Select Bibliography

Unit IV

- A. Operation of Computer
- 1. Working in MS Word
- 2. Creating folder
- B. Use of internet in Research
- 1. Collecting Research material
- 2. Citation of Internet Sources
- 3. Creating folder
- 4. Use of internet in Research

Unit V

Change from MSW to PDF Change from PDF to MSW Power point presentation

Paper II:

Recent Trends in English Studies:

Max. Marks 100

Application of approaches: Each student will be required to apply at least one approach to a literary piece like short story, poem, one-act play, novel and play or to the English language used in literature, journalism and other media, the Internet, day-to-day conversations, etc. The concerned teacher will demonstrate how to apply these approaches.

Contents:

Unit I

A. Western approaches/ theories I

- i.. Formalism/New Criticism
- ii. Structuralism
- iii. Post structuralism: Deconstruction,
- iv. Marxism,
- v. Psychoanalytic criticism/ Psychological Approach: Freud
- vi. Culture Studies,
- vii. ELT,
- viii. Discourse Analysis

Unit II

Western approaches/ theories II

- i. New Historicism
- ii. Cultural materialism
- iii. Feminist criticism
- iv.Postcolonial criticism

Unit III

- i. Indian and Western Approaches/ theories of Literary Research
- ii. Bharata's theory of rasa,
- iii. Anansvardhana's theory of dhvani,
- iv. Vamana's theory of riti

Books Recommended:

1. Barry, Peter. *Beginning Theory*, South Asian Edn. Chennai: Viva Books, 2007

A 1

- 2. Bertens, Hans. *Literary Theory: The Basics*. London and New York: Routledge, 2001
- 3. Bressler, Charles E. Literary Criticism: An Introduction to Theory and Practice. 3rd Ed. Upper Saddle River, NJ: Prentice Hall, 2003.
- **4.** Culler, Jonathan. *Literary Theory: A Very Short Introduction*, OUP, 2000.
- 5. Dobie, Ann B. Theory into Practice: An Introduction to Literary Criticism. Thomson, 2002.
- **6.** Eagleton, Terry. *Literary Theory: An Introduction*. Minneapolis: U of Minnesota P, 1983.
- 7. Groden, Michael, and Martin Kreiswirth. The Johns Hopkins *Guide to Literary Theory and Criticism*. Baltimore: Johns Hopkins UP, 1994
- **8.** Hall, Donald E. Literary and Cultural Theory: From Basic Principles to Advanced Application. Boston: Houghton, 2001.
- **9.** Klages, Mary. *Literary Theory: A Guide for the Perplexed*. Chennai: Viva Books, 2008.

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Paper III: Specializations in Research/discourses in English Literature Max. Marks 100

Potential research areas in English language and literature: The teacher/s will discuss probable areas and various possibilities of research in English language and literature. Emphasis will be given on interdisciplinary research.

Contents:

Unit I

- i. Dalit literature
- ii. Gender studies
- iii. Diasporic literature
- viv. Translation studies
- v. Literature of the new generation/young writers/ young professionals

Mnit II.

- British Literature
- ii. American Literature
- iii. Indian Literature in English
- iv. New Literatures in English (Commonweath literature)
- v. Translation Studies
- vi. ELT

Books Recommended:

1. Hall, Donald E. Literary and Cultural Theory: From Basic Principles to advanced Application. Boston: Houghton, 2001.

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- 2.Klages, Mary. *Literary Theory: A Guide for the Perplexed*. Chennai: Viva Books, 2008.
- 3 Baldwin, E. (2004). *Introducing Cultural Studies*. New York: Pearson/Prentice Hall
- 4 Balslev, A.N. (1996). Cross-cultural Conversation. Atlanta, Ga.: Scholars Press.
- 5Barker, M. & Beezer, A. (1992). Reading into Cultural Studies. London: Routledge.
- 6.Belsey, C. (2005). *Culture and the Real: Theorizing Cultural Criticism*. London; New York: Routledge
- .7 Bhabha, Homi (2006). The Location of Culture. Chennai: Viva Books
- 8 During, S. (2005). Cultural Studies: A Critical Introduction. London; New York: Routledge.
- 9 Milner, A. (1996). *Literature, Culture and Society*. New York: New York University Press.
 - 10 Moi, Toril. Sexual/textual Politics: Feminist Literary Theory. London New York: Methuen, 1985.
- 11. Nayar, Pramod K.(2008) An Introduction to Cultural Studies. New Delhi: Viva Books
- 12. Spivak, Gayatri Chakravorty. *In Other Worlds: Essays in Cultural Politics*. London: Routledge, 1988.
 - 13. Spivak, Gayatri Chakravorty. The Post-Colonial Critic: Interviews, . Strategies, Dialogues. Ed. Sarah Harasym. London: Routledge, 1990
 - 14. Showalter, Elaine, ed. Speaking of Gender, 1989.
 - 15. Austin, J. L. (1962), How to do things with words, oxford: Clarendon Press.

पी.एच.डी. के कोर्स वर्ग हेतु पाठ्यक्रम

- 1. भारतीय आर्य भाषाओं (वैदिक संस्कृत, लौकिक संस्कृत, पालि, प्राकृत, अपभ्रंश) का विकास व उनकी विशषताएं।
- 2. हिन्दी का भौगोलिक विस्तार और उसकी बोलियां।
- 3. हिन्दी साहित्य का इतिहास, सीमा निर्धारण व नामकरण। आदिकाल की पृष्ठभूमि व प्रमुख कवियों का आलोचनात्मक अध्ययन— विद्यापित, चन्दवरदाई।
- 4. भिवतकाल की पृष्ठभूमि व प्रमुख कवियों का आलोचनात्मक अध्ययन— कबीर, जायसी, सूर, तुलसी।
- 5. रीतिकाल की पृष्ठभूमि व प्रमुख कवियों का आलोचनात्मक अध्ययन— केशव, बिहारी, घनानन्द।
- 6. आधुनिक काल— विभिन्न काव्य धाराओं का विकास व उनेक कवियों का आलोचनात्मक अध्ययन— भारतेन्दु हरिश्चन्द्र, हरिओध, मैथिलीशरण गुप्त, प्रसाद, निराला, पंत, महादेवी वर्मा, नागार्जुन, केदारनाथ अग्रवाल, अज्ञेय, धर्मवीर भारती, मुक्तिबोध, रघुवीर प्रसाद, कुंवर नारायण।
- 7. हिन्दी गद्य विधाओं का आलोचनात्मक अध्ययन— निबन्ध, उपन्यास, कहानी, नाटक, एकांकी, रेखाचित्र, संस्मरण, आत्मकथा, जीवनी, समालोचना।
- 8. भारतीय काव्य शास्त्र काव्य सम्प्रदायों का अध्ययन
 - रस सिद्धान्त- रस का स्वरुप, रस निष्पत्ति, रस के अंग, साधारणीकरण।
 - अलंकार सिद्धान्त मूल स्थापनाएं, अलंकारों का वर्गीकरण।
 - रीति सिद्धान्त- रीति की अवधारणा, काव्य गुण, रीति एवं शैली।
 - वक्रोक्ति सिद्धान्त— वक्रोक्ति की अवधारणा, वक्रोक्ति के भेद, वक्रोक्ति एवं अभिव्यंजनावाद।
 - ध्वनि सिद्धान्त— ध्वनि का स्वरुप, ध्वनि सिद्धान्त की प्रमुख स्थापनाएं।
 - औचित्य सिद्धान्त- प्रमुख स्थापनाएं, औचित्य के भेद।
- 9. अलंकार— उपमा, रुपक, वक्रोक्ति, उत्प्रेक्षा, सन्देह, भ्रान्तिमान, अतिशयोक्ति, समासोक्ति, विशेषोक्ति, दृष्टान्त, उदाहरण, विभावना, असंगति, विरोधाभास, मानवीकरण
 - शब्दशक्ति —
 - प्रतीक-
 - बिम्ब-
 - छन्द— चौपाई, रोला, गीतिका, हरिगीतिका, दोहा, सोरठा, कुण्डलिया, छप्पय, मालिनी, मन्दाक्रान्ता, कवित्त, सवैया, इन्द्रवजा, उपेन्द्रवजा, वसन्ततिलका।
- 10. पाश्चात्य काव्यशास्त्र— प्लेटो, अरस्तू, क्रोचे, आई.ए.रिचर्डस के सिद्धान्तों का अध्ययन।

W

Pre- Ph.D. COURSE WORK IN MATHEMATICS

PAPER-II

Note:- Format of concerned question paper in the final Exam. ?

Max. Marks: 70 Max. time: 3.00 Hr.

Question No.	Nature	Marks
01	Objective: 08 Questions	08 x 1¼ = 10
	(02 from each unit)	
02-05	Descriptive: 01 Question	04 x 15=60
	From each unit with one	
	internal option	

Unit-1:- Advanced Algebra:

Linear transformation, rank and nullity, Dual space and dual basis, Diagonalizable operators. Inner product space, schwaz's and Cauchy's inequality, Orthogonalisation process.

Unit-2:- <u>Calculus of Variation</u>:

Functional, Euler's equations, Necessary and sufficient condition for externals, variation problems with constraint conditions, moving boundaries with transversality condition, field of extremals and varied path.

06103/14 (Dr. Madantel) All 06/03/14

(Dr. A. Prasad)

Unit-3:- Real Analysis:

Riemann Satieties Integral, Integration and differentiation, Fundamental theorem of Calculus. Uniform convergence of series and sequence of functions.

Unit-4:- Complex Analysis:

Cauchy integral formula and consequences, singularities, residue theorem, argument principle, Rouche's theorem.

Reference Books :-

- 1. J.B. Fraleigh, A First Course in Abstract Algebra, Narosa Publishing House, New Delhi.
- 2. L.V. Ahlfors, Modern Algebra, Mc- Graw-Hill, Inc.1996.
- 3. S.G. Krantz, Complex Analysis: the geometric view points, second edition, carus math. Monograph. MAA.
 - 4. W.Rudin, Principles of Mathematical Analysis (3rd edition, MC Graw-Hill, Kogakusha, international student Edition. Edition. International Student Edition.
 - 5. R.V. Churchill, Complex variable and Application, Mc Graw-Hill.
 - 6. F.B. Hildbrand: Method of Applied Mathematics, PHI, India.

0002 06/03/14 (Dr. Madamlas) (Dr. A Prasad).

Pre- Ph.D. COURSE WORK IN MATHEMATICS PAPER-III

Format of concerned question paper in the final Exam. Note:

Max. time: 3.00 Hr. Max. Marks: 70

Marks **Nature** Question No. $08 \times 1\% = 10$ Objective: 08 Questions 01 (02 from each unit) 04 x 15=60 Descriptive: 01 Question 02-05 From each unit with one internal option

Ordinary Differential Equations: Unit-1:-

System of Linear equations, existence and uniqueness theorem, stability theorem. Linearization of first order non-linear equations—Riccati equation, Abel equation.

Partial Differential Equations: Unit-2:-

Classification and properties of second order linear equations in two independent variables, four independent variables; canonical forms.

Integral Equations: Unit-3:-

equations integral between Relation differential equations. Main techniques of solving linear integral equations- Fredholm eqn., Volterra eqn.

Mathematical Modelling: Unit-4:-

Need, Characteristics, classification and limitation of mathematical modelling. Some illustrative examples of modelling through-

- Differential equations, (a)
- Dynamic Programming. (b)

Reference Books :-

Differential equations with applications and Historical notes, second edition, Tata Mc-1.G.F. Simmons, Graw Hill publishing company Ltd., New Delhi.

- Non linear ordinary differential equations, Marcel 2. P.L. Sachdev, Dekker, Inc, NY.
- Elements of partial differential equation, Mc 3. I.N. Sneddon, Graw-Hill book company.
 - 4. Shanti Swaroop, Integral equations, Krishna Prakashan Media (P) Ltd, Meerut.
 - Mathematical Modelling, New Age International 5. J.N.Kapoor, Limited, New Delhi.
 - Operations Research An Introduction, Mac Millam Publishing Co. Inc, NY. 6. H.A. Taha,

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M J P Rohalkhand University

Bareilly

Special Program of Course Work for Research Scholars in Music

There shall be the special programme of course work for Doctorial Scholars of the Music Department, from session 2014-2015

1. Course I, II and project work.

2. Marks: Course-I

50 Marks

Course-II

100 Marks -

Total 200 Marks

Project

50 Marks

<u>Test:</u> At the end of Course Work there shall be a written test on course I and course II and oral presentation of the project by the scholars.

The Course Work will consist of sessional seminars, discussions, Lecture-Demonstrations by the experts and presentations by the research scholars.

Course-I (Research Methodology)

Research its aims and objectives, Research Methodology, Preparing Synopsis, Method of Data collection-Questionnaires, interviews, case-study, Bibliography, Index primary and secondary sources for research etc.

Course-II

- Historical development of Indian Music (Ancient-Vedic-Medival and Modern).
- 2. Historical study of Musical forms, (Prabandh, Dhrupad, Dhamar, Khyal, Thumari)
- 3. Historical Development of Musical Instruments, Classification of Instruments, form of Instrumental Music and their styles.
- 4. Study of Music scholars/Composers/Performers(Ancient, Medieval and modern). Vocal/Instrumental.

- 5. Books on Music Ancient, Medieval, modern, Special study of a text.
- 6. Rasa and Aesthetics as applied to Music, Kaku, Gamak, Shuriti, Swar, Saptak, Gram and Moorchhna etc.
- 7. Music in temple worship, social functions, Music and Medicine, Regional Music and sound.
- 8. Gharana system and comparative study of various gharanas, Future of Gharanas in present context (Vocal/Instrumental)
- 9. Music and technology, Modern trends in Hindustani Music.
- 10. उत्तर भारतीय प्रमुख तालों का विस्तृत अध्ययन (लयकारी सहित)।

Project Work:

A project / dissertation on a topic to be chosen in consultation with the supervisors and Head of the Deptt. The length of the dissertation should not exceed 75 pages.

<u>Note</u>: <u>Course-I:</u> Research Methodology will be compulsory to all, while the scholars will have an option of selecting atleast seven topics from the given topic of course No.II

Project work will be compulsory to all the scholars.

(Dr. Sandhya Rani Shakya

Associate Prof. (Music)

V.R.A.L.Govt. Girls

P.G. College

Bareilly

(Dr. P. K Varrhey) Ocar Acts

MJP ROHILKHAND UNIVERSITY, BAREILLY Syllabus of Pre-Ph.D Course Work in Philosophy/Applied Philosophy

Course Structure: There will be following three papers:

1. PAPER-I: Research Methodology

2. PAPERI-II: Classical Indian Philosophy

3. PAPER-III: Classical Western Philosophy

Scheme of Evaluation: Pattern of evaluation shall be as under

Sl. no	Title of the paper	Maximum Marks			
		External Evaluati on	Internal Evaluation*	Total Marks	Minimum Marks
1	Research Methodology	70	30	100	40
2	Classical Indian Philosophy	70	30	100	40
3	Classical Western Philosophy	70	30	100	40

^{*} In each paper internal evaluation of 30 marks will be based on the evaluation of assignments and practical work

01

Bos of six monthly Ph.D. Louise-works

Applied Philosophy / Philosophy

Ist BOS OF 6 monthly Ph.D. Course work was held in the Deptt. of Applied Philosophy on 07/05/2014 at 11.30 A.M. Followings are the members

1 PM. D. N. Yadav. Philosophy Depth. DDU gonakhpyrolog

2. Dr. A.K. Singh, Philosophy Depti, KGK college, moder

3. Dr. R.K. Supta, III BCB, Bareilly Member 4. PM. B.R. KUKreti, Dean FEAS, MJPRU, BIY

5. Dr. A.K. Singh, Appl. Philosophy mJPRU Bly Acres

6 Dr. Rajjan kungr, Abbl Philosophy MOPRU, Bly Reliz

Dr. R.K. Gupta and PMD- B.R. Kukreti were not

present. members of Bos discursed

meeting of Bos begun with wellowe address by the Convener. The following decisions were taken.

· Preparation of two papers of Applied Philosophy / Philosophy Prefaration of Paper of Research methodology in AP/Philosophy

The meeting adjourned with vote of thanks.

[Rajjan Kangillulli
Head & Convener

Research methedology in AP/Phil Parper I

main branches of knowledg: sciences, Social Sciences,
Hunaurties, Their approaches
and methods.

melhods

: Phenomenological, Analytical Pragmatic Dialectic

logico mathe natical: Rurel, Spinoza,

Ry July

Department of Applied Philosophy Faculty of Education & Allied Sciences M.J.P.Rohilkhand University, Bareilly

Six Months

Ph.D. Syllabus: Philosophy/Applied Philosophy

It contains two parts First and Second

First parts: Two Theory papers
Paper I - Research method(1)050

Paper II: Classical Indian Philosophy

Paper III: Classical Western Philosophy

Second Parts: Testing/Analysis

Paper IT

Classical Indian Philosophy

Course Contents

- 1. Vedic Concepts of Sat, Purusa, Rta and Yama
- 2. Upanisadic concepts: Atman, Brahman, Sreyasa and preyasa
- 3. Carvaka ; Perception as Pramana, Critique of Anumana and Sabda, Ontology
- 4. Jainism: Theory of knowledge, Anekantavada, Syadvada, drvya, Guna, Paryaya. Jiva, bondage and Liberation
- 5. Buddhism : Four Nole Truth, Nirvana, Pratityasamutpad, Ksanabhangavada, Anatmavada, Schools of Buddhism- Vaibhasika, Sautrantika, Yogacara and Madhymika.
- 6 Samkhya-YogaDoctrine of Satkaryavada, Prakrti: Evolution of Prakrti and the nature of its evolutesNature of Purusa: Arguments for the Existence of Purusa, Plurality of Purusa and its arguments, Relation between Purusa and PrakrtiNature and means of Liberation Yoga: Concept and Definition of Yoga, basis, need and importance, Astanga yoga, Nature and place of God

- 7.Nyaya –vaisesika: Concepts of Prama and aparma, Pramanya and apramanya, Pramanaspiatyksa, anumana, upamana, sabda, paratah pramanyavada, Concept of God, concept of padartha, Theory of Causation, Vaisesika Parmanuvada
- 8.Mimansa : Sruti and its importance, Classificationof Srutivakya,- vidhi, sabdanityvada, jatisaktivada, anvitabhidhanavada and abhihitanvayavada, Arthapatti and anuplabdhi, svatah pramanyavada
- 9. Vedanta: Relation between Purva mimansa and Uttara mimansa, karma and janma, Sankara and Ramanujam, their conception of Brahman, Isvara, Maya, Jagat, Jiva and Moksa

References

- 1.C.D.Sharma: A Critical Survey of Indian Philosophy
- 2.M.Hiriyann: Outlines of Indian Philosophy
- 3S.Radhakrishanan; Indian Philosophy, 2 Vols
- 4.S.N.Das Gupta, A History of Indian Philosophy...

Paper ID

Classical Western Philosophy

Course Contents

- 1 Pre-Socratic Philosophy: Ionian, Eleatics and Hereclitus, Sophists and Atomists
- 2.Plato: Theory of Ideas, Conception if Dialectic, Theories of Soul and God
- 3. Aristotle; Critique of Plato's theory of Ideas, Theory of Causation, Conception of Soul and God, Categories and their Classification
- 4. Aquinas: Five ways of proving the existence of God, Man and nature
- 5.Descarts: The Cogito ergo sum, God and proofs for its existence, Body-Mind problem-Interactionism
- 6.Spinoza; Substance, Attribute and mode, parallelism
- 7.Leibnitz: Monodology, Doctrine of Pre-established harmony
- 8.Locke ;Ideas and their classification, Refutation of innate ideas, Theory of Substance. Distinction between primary and secondary qualities
- 9. Berkley: Rejection of Matter, Criticism of abstract ideas, Esse est percipi, idealism

Religion & Start in

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10. Hume: Distinction between ideas and impression, Relations of ideas and matters of facts, treatment of Self. Causality and rejection of Metaphysics

11.Kant: The Critical Philosophy: Classification of Judgment, Possibility of Synthetic Apriori judgment. Copernican revolution, Forms of Sensibility, Categories of Understanding, Transcendental Deduction, Phenomenon and Noumenon, the Ideas of Reason, Soul, God and the World as a Whole

12. Hegel: Spirit, Dialectical Method, and Absolute Idealism

References

LF Thilly: History of Western Philosophy 2. Rogers; History of Western Philosophy 3. Fleckenberb; History of Western Philosophy 4.Y. Masih; Modern Western Philosophy. 5 copleston. History of western thilosophy.

Testing/Analysis

Topics to be allotted on the basis of course contents of Paper I &II in the following manner or as decided by the University

a. Short writing Literature review: upto 1000 words - 20 marks

b. Essay or Synopsis formation Articleupto 5000 words

c. Research nuethodology in Applied Philosophy/ Philosophy. d. Application of Computer work in AP/Philosophical Research

(Rajjan Kumar) Head

July (14)1

Syllabus for Course Work Ph.D. Department of Applied Physics/Physics Faculty of Engineering and Technology M.J. P. Rohilkhand University, Bareilly - 243 006

Paper-I: Research methodology:

Max. Marks: 50

Identification of problem and its solutions, Students has to develop annotated bibliography on and around the theme of research which must cover at least 10 books or reviewing of at least 20 research papers in the relevant field, published in reputed/ refereed Journal.

Max. Marks: 70 Paper -II (Research Techniques/Methodology and basic Computer):

UNIT 1:

Introduction of Computer hardware and software, Knowledge of word processing software

UNIT 2:

Power point presentation, elementary idea of internet and its applications.

UNIT 3:

Introduction to nano physics and technology, Application of nano materials

UNIT 4:

Various nuclear particle reactions and important modes of their decays.

Basic idea of classification of elementary particles and important properties.

UNIT 6:

Brief overview of traditional microscopies (IR, Raman, UV visible), Electronic microscopies for higher resolution

Internal Assessment:

Max. Marks: 30

Paper- III (Advance topic in Applied Physics/Physics)

Max. Marks: 70

UNIT 1

Effect of nanometer length scales, low dimensional systems

UNIT 2

Application of nano materials: molecular electronics and nano electronics; quantum devices; nano magnetic materials and devices.

LINIT 3

Basic principle of nuclear emulsion technique. Measurement of nuclear track parameters, Measurement of range, Range Energy relations Ionization measurements.

UNIT 4

Grain density measurement, Blob-gap method, Delta rays angle measurements- projectile angle, dip angle and space angle measurements.

UNIT 5

Elementary quantum chemistry, Hartree Fock approximation and Electron correlation.

UNIT 6

The electron density as the basic variable, early attempts, Density Functional Theory.

Internal Assessment:

Max. Marks: 30

DEPARTMENT OF PLANT SCIENCE MJP ROHILKHAND UNIVERSITY, BAREILLY

PROPOSED Ph.D. COURSE WORK (PLANT SCIENCE/BOTANY)

Paper - I (Research Methodology): Common Paper.

Max. Marks: 50

Identification of problem and its solutions, with methodology.

Student has to develop annotated bibliography on and around the theme of research which must cover at least 10 books OR reviewing of at least 20 research papers in the relevant field, published in reputed/refereed Journals.

Paper - II (Techniques, Biostatistics and Basic Computer):

Max. Marks: 70

UNIT-I

Preparation of Solution (Normal, Molar, Molal, Buffer)

UNIT-2

Atomic absorption spectroscopy, spectroscopy, Mass Principles of spectroscopy.

UNIT-3

Chromatography, Centrifugation & Electrophoresis

UNIT-4

Chisquaretest t-test, F-test

UNIT-5

Basic computers and it's application in Biological Sciences

Internal Assessmit Mays - 30

Paper - III (Advanced Plant Sciences/Botany):

Max. Marks: 70

UNIT-I

Advanced Genetics: Gene manipulation by chromosomal alteration and substitution. Molecular mechanism of mutation induction

UNIT-II

Phytoremediations: Types of phytoremediation, it's merits and demerits and Limitations, Enhancement of Phytoremediation potentiality through Natural and chemical chelating agents.

UNIT - III

Growth & Growth Regulating Substances: Concept of growth, Mechanism of action of growth regulating substances under various conditions, Cell signaling.

UNIT - IV

Antioxidative System and Metalstress: Enzymetic and Non enzymetic antioxidative system, their role in alleviation of metal stress.

UNIT - V

Microbial Biotechnology: Decay of agricultural, Fortest and city refuse, Protoplast fusion.

Internal Assessment:

Max. Marks: 30

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शोध-कोर्स वर्क पाठ्यक्रम

इकाई प्रथम -

कौटिल्य, अरस्तू, मैक्यावली, मार्क्स, जय प्रकाश नारायण

इकाई द्वितीय -

डेविट ईस्टन का आगत—निर्गत सिद्धान्त, संविधान और संविधानवाद, व्यवहारवाद, आधुनिकीरण

इकाई तृतीय — भारतीय क्रांतियात — भारतीय क्रांतियात — मोलिक अधिकार, संसदीय व्यवस्था, केन्द्र—राज्य सम्बन्ध, राष्ट्रपति की स्थिति, प्रधानमन्त्री की स्थिति एवं भूमिका, राज्यपाल की स्थिति, भारत में न्यायिक पुनरीक्षण, संशोधन प्रणाली, पंचायती राज एवं स्थानीय स्वशासन

इकाई चतुर्थ -

राष्ट्रीय हित, शक्ति सन्तुलन, विदेशनीति-अर्थ एवं कारक, मानवाधिकार

इकाई पंचम -

भारतीय विदेशनीति का विकास, सिद्धान्त, उद्देश्य एवं निर्धारक तत्व शीत युद्ध के बाद भारत की विदेशनीति में आये परिवर्तन भारत और पड़ोसी राष्ट्र भारत और अमेरिका भारत और रूस

भारत और चीन

VKJames (3/6/15)
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डॉ० रमेश चन्द्र वाजपेयी एसोसिएट प्रोफेसर एसोसिएट प्रोफेसर राजनीति विज्ञान विभाग राजकीय स्नातकोत्तर महाविद्यालय बीसलपुर, पीलीभीत

कन्वीनर

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शोध-कोर्स वर्क पाठ्यक्रम

इकाई प्रथम -

कौटिल्य, अरस्तू, मैक्यावली, मार्क्स, जय प्रकाश नारायण

इकाई द्वितीय -

डेविट ईस्टन का आगत—निर्गत सिद्धान्त, संविधान और संविधानवाद, व्यवहारवाद, आधुनिकीरण

इकाई तृतीय - भारतीय हो दियान — भारतीय हो दियान — भारतीय हो दियान कि प्रधानमन्त्री की स्थिति, प्रधानमन्त्री की स्थिति एवं भूमिका, राज्यपाल की स्थिति, भारत में न्यायिक पुनरीक्षण, संशोधन प्रणाली, पंचायती राज एवं स्थानीय स्वशासन

इकाई चतुर्थ -

राष्ट्रीय हित, शक्ति सन्तुलन, विदेशनीति—अर्थ एवं कारक, मानवाधिकार

इकाई पंचम -

भारतीय विदेशनीति का विकास, सिद्धान्त, उद्देश्य एवं निर्धारक तत्व शीत युद्ध के बाद भारत की विदेशनीति में आये परिवर्तन भारत और पड़ोसी राष्ट्र

- भारत और अमेरिका भारत और रूस
- 🦴 भारत और चीन

Contemport

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कन्वीनर

डॉं० रमेश चन्द्र वाजपेयी एसोसिएट प्रोफेसर राजनीति विज्ञान विभाग राजकीय रनातकोत्तर महाविद्यालय बीसलपुर, पीलीभीत

MJP ROHILKHAND UNIVERSITY, BAREILLY Syllabus of Pre-Ph.D Course Work in Psychology/ Applied and Clinical Psychology

Course Structure: There will be following three papers:

1. PAPER-I: Research Methodology & Computer Applications

2. PAPERI-II: Recent Trends in Psychology

3. PAPER-III: Health Psychology

Scheme of Evaluation: Pattern of evaluation shall be as under

Sl. no	Title of the paper	Maximum Marks			
q.		External Evaluati on	Internal Evaluation*	Total Marks	Minimum Marks
1	Research Methodology & Computer Applications	70	30	100	40
2	Recent Trends in Psychology	70	30	100	40
3	Health Psychology	70	30	100	40

^{*} In each paper internal evaluation of 30 marks will be based on the evaluation of assignments and practical work

DEPARTMENT OF PSYCHOLOGY APPLIED AND CLINICAL PSYCHOLOGY

M. J. P. ROHILKHAND UNIVERSITY, BAREILLY

APPLIED AND CLINICAL PSYCHOLOGY

The students admitted/registered for Ph. D. in Psychology/will be offered Psychology course work of one semester (6 months duration). This course for Pre Ph. D. shall comprise of three theory papers.

Pre Ph. D Course Work

Paper	Name of the Paper	Total Marks	
I	Recent Trends in Psychology	100	
11	Health Psychology	100	
Ш	Research Methodology and Computer	100	
	Applications		

PAPER - II

Recent Trends in Psychology

Max. Marks: 100

- Unit 1: Quality of Life, Social Support, Type- D Behaviour: Negative Affectivity and Social Inhibition, Emotional Intelligence, Spiritual Intelligence
- Unit II: Autistic disorder, Attention Deficit Hyperactivity Disorder, Dementias-Alzheimer Disease, Huntington Disease, Stress: Sources, Consequences and Management.
- Unit III: Psychodiagnostic Methods Interview, Case Study, Rorschach Ink Blot Test, Thematic Apperception Test (TAT), Wechsler Intelligence Tests.
- Unit IV: Aggression, Social Violence, Measurement of attitude, Group interaction, Group conflict, Conflict resolution, Gender issues.

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Practical: Assignment, and practical were

References:

Sadeck, B.J. and Sadock, V.A. (1998): Synopsis of Psychiatry (9th Ed.), Lippincott Williams and Wilkins, New York.

Pestonjee, D.M. (1992): Stress and Coping. Sage Publications, New Delhi.

Singh, D. (2003): Emotional Intelligence at Work. Sage Publications, New Delhi.

Baron, R.A. & Byrne, D. (2000): Social Psychology. Prentice Hall, New Delhi.

Misra, G. (1990): Applied Social Psychology in India. Sage, New Delhi.

Goldenbarg, H. (1983): Contemporary Clinical Psychology (2nd ed.) Brooks & Cole, New York.

Weiner, I.B. (1982): Child and Adolescent Psychopathology. John Wiley: New York.

Dimatteo, M.R., & Martin, L.R. (2002): Health Psychology. Allyn & Bacon, Boston.

PAPER - III

Health Psychology

Max. Marks: 100

Unit I: Introduction: Nature and scope of health psychology. The relationship of health psychology with clinical psychology and behavioural medicine. Models of Health: Bio-psychosocial and Cultural Models, Eastern approaches.

Unit II: Personality, coping and social support correlates of health. Stress and Coping: emotion focused and problem focused coping, Models of Stress and illness: The General Adaptation Syndrome, The Diathesis Model, Happiness and Well Being - Correlates of happiness.

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Unit HI: Cardio vascular diseases - causes, types, risk factors, psychosocial factors, management. Diabetes - types, causes, treatment. HIV/AIDS - history, symptoms, risk factors, stages of progression, Hypertension - Symptoms, risk factors and management.

Unit IV: Obesity: measurement, consequences, management. Life style and aging.

Psychological interventions for health management: Rational Emotive

Practical: Assignment and Practical work

BOOKS RECOMMENDED:

Bennett, P. Weinman J & Spurgeon, P (1990): Current Development in Health Psychology. U. K.: Hand Academic Publishers.

Friedman-DiMateo. (1989): Health psychology. New York: Prentice Hall.

Marks, D. F. Murray, M. Evans, B. & Willing, C. (2000): Health Psychology: Theory, Research and Application, New Delhi: Concept.

Straub, R.O. (2002): Health Psychology. Worth Publishers. New York.

PAPER - 相 工

RESEARCH METHODOLOGY AND COMPUTER APPLICATIONS

Max. Marks: 100

Unit I - Nature of Social Science Research, Research Problem, Hypothesis.
 Population and Sample: Sampling Methods (Probability and Non-Probability).

Unit II - Types of Variables and Levels of their Measurement, Control of Variables, Laboratory and Field Research. Research Design: Single Subject Design, Randomized Group Design, Matched Group Design, Factorial Design, Latin Square Design, Repeated Measure Design.

Unit III - Methods of Observation and Data Collection: Interview and Interview Schedules, Objective Methods of Observation, Types of Objective

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Scales, Types of Sociometric Choice and Methods of Sociometric Analysis, Transactional Analysis.

Unit IV- Computer Applications and Statistical package: 't'- test, Analysis of Variance (One-Way and Two-Way), Multivariate Analysis of Variance, Post Mean Comparisons, Regression Analysis, Power Point

Practical: Assignments and practical work

REFERENCS:

- Karlinger, F.R. (1998): Foundations of Bahavioural Research. Surjit Publications. Delhi
- Silverman, D. (2004): Quantitative Research, Theory, Method and Practice . Sage Publications, London. Thousand Oaks, New Delhi.
- Silverman, D. (2004): Interpreting Qualitative Data: Methods for Analysing Talks, Text and Interaction. Sage Publications, London. Thousand Oaks, New Delhi.
- Cohen, J. and Cohen, P. (1983): Applied Multiple Regression/ Correlation Analysis for the Behavioural Sciences. Lawrence Publications, London.
- SPSS Basis 15.0 Applications SPSS Inc. Michigan... Germans... UK LTD.
- Winer, B.J. Brown, D.R. and Michels, K.M. (1991): Statistical Principles in Experimental Design. McGraw Hill Inc, New York.
- Goodwin, C.J. (2005): Research in Psychology: Methods and Design. John Wiley & Sons, Inc., New York
- Heman, G.W. (1995): Research Methods in Psychology. Houghton Mifflin Company, New Jersey.

22/1/2014 Klestryce Albuylo 22/1/2014

Dr. Pratibha Varshney

Associate Professor, Dept. of Sanskrit Bareilly College, Bareilly Convener: Board of Studies & Research Degree Comittee (Sanskrit) M.J.P. Rohilkhand University, Bareilly



Residence : 3, Hans Bhawan Colony, Near Thana Prem Nagar, Bareilly (U.P.)

Contact No.: 9997675613

8445634849

E-mail ID: pratibhabcb@gmail.com

Ref.

Course Work-Sanskrit

Unit I - वेद, बैदिक साहित्य तथा पुराण

1. वैदिक मन्त्र - अरुवेद-1/1 मरुद्मिर्ग्निशगिष्ट, 4/50 बृहरूपति,

9/80 सोम अथर्वेद - इ/6 यजुर्वेद - प्रथम अध्याय

- 2. संहिता, ब्राह्मण, आरण्यक रुवं उपनिषय का परिचय
- उ. वैदाइं रुवं अनुक्रमणी
- 4. पुराण परिचय

Unit II 'भारतीय दर्शन रखं संस्कृति'

- 1. भारतीय आस्तिक व नास्तिक दर्शनों का परिचय
- 2. तकीमाधा
- उ. भारतीय दर्शनीं के आधार पर- 1. कार्य-कारण सिद्धान्त
 - २. सुष्ट् यूटपनि
 - उ. आत्मा
 - 4. मास
- 4. संस्कृति और सम्पता, भारतीय संस्कृति की प्रमुख विशेषताएँ, वर्णासम-व्यवस्था, भारतीय समाज में मारी की स्थिति, प्रमुख संस्कार, पञ्च महायज्ञ

M.A., B.Ed., Sangeet Praveen Ph.D.
Associate Professor, Dept. of Sanskrit
Bareilly College, Bareilly
Convener: Board of Studies &
Research Degree Comittee (Sanskrit)
M.J.P. Rohilkhand University, Bareilly



Residence:
3, Hans Bhawan Colony,
Near Thana Prem Nagar,
Bareilly (U.P.)
Contact No.: 9997675613

8445634849

E-mail ID: pratibhabcb@gmail.com

Ref. Unit III 'त्यांकरण एवं माषाविज्ञान'

1. संज्ञा रुवं सान्ध-प्रकरण (लपु सिद्धान्तकी मुदी के आधार पर)

कारक-प्रकरणं (सिद्धान्तकी मुदी के आधार पर)

2. महामाध्य (पस्पश आह्निक)
तथा

निम्निलिखित नेमाकरणीं का परिचय- पाणिनि, कात्मायन, पतञ्जलि, महिहारि,
भहो।जिदीशित, नरदराजाचार्य

3. भाषावित्रान — भाषा-स्वरूप, भाषावित्रान की परिभाषा, भाषावित्रान रुवं व्याकरण का सम्बन्ध, भाषा-उत्पत्ति के सिद्धान, भाषा-वर्शिकरण

4. भाषा के चारों तत्त्व/बटक - स्वीने, रूप, अर्थ, वाक्य

Unit IV काट्य रखं काव्यशास्त्र '

- 1. निम्नलिखित कार्क्यों का सामान्य परिचय रामायण, महामारत, र्युवर्श, कुगारसम्भव मेयदूत, किरातार्जुनीय, शिशुपालवधा, ने प्रयीयचरित
- 2. निम्नालिखित गद्यकार्थों का सामान्य परिचय- दशकुमार चरिते, वासनदत्ती, हर्षचरित, कादम्बरी, मलचम्पू, शिनराजनिजय
- 3. काट्य-प्रकाश दितीय उल्लाम
- 4. अलुरार चन्द्रालीक (पञ्चम मयूख)

Pratibha Varshney

M.A., B.Ed., Sangeet Praveen Ph.D. Associate Professor, Dept. of Sanskrit Bareilly College, Bareilly Convener: Board of Studies & Research Degree Comittee (Sanskrit) M.J.P. Rohilkhand University, Bareilly



Residence : 3, Hans Bhawan Colony, Near Thana Prem Nagar, Bareilly (U.P.)

Contact No.: 9997675613

Date.....

8445634849

E-mail ID: pratibhabcb@gmail.com

Ref.

UnitI 'नाटक रुवं नाटयशास्त्र'

1. निम्नलिखित माटकों का सामान्य परिचय - भास के नाटक , मुद्राराष्ट्रासम्, मृच्यकियम् , आमिज्ञानशाकुन्तलम् , उत्तररामचरितम् , वेणीसंहार् , रत्नावली

- 2. देशर्यक प्रथम प्रकाश
- 3. देशक्पक त्रीय प्रकाश
- 4. माट्यशास्त्र प्रथम अस्याय/

Or P.K. Varyhuey) Ocer, Arts [डा० प्रतिमा वास्त्रीय

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Ph.D. Course work in Sociolosy.

Course - H Core paper Sociological Theories

UNIT-I: Introduction

- 1. The origin of Sociological Theories
- 2. Meaning and Nature of Sociological Theories
- 3. Future of Sociological Theory

UNIT-II: Major Sociological Perspectives -1

- 1.Funtionalism: Talcott Parsons and R.K Merton
- 2. Conflict Perspectives: Karl Marx, Lewis H. Coser and Ralf Darendorf
- 3. Symbolic Interactionism: C.H. Cooley, G.H Mead, Herbert Blumer

UNIT -III: Major Sociological Perspectives-2

- 1. Phenomenology; Alfred Schultz
- 2. Ethnomethodology -Harold Garfinkel
- 3. Exchange Theory George Homans
- 4. Feminism Liberal , Radical and Socialist

UNIT-IV: Post Modern Social Theories

- 1. Post Structuralism: Anthony Giddens
- 2. Neo-Marxist Theories Habermass and Altrusser
- 3. Foucault
- 4. Derrida

UNIT -V: Indian Sociological Perspectives

1. Marxist Perspective: D.P Mukeerjee, A.R Desai

Marxist Perspective . D.I. Marxist Perspective . B.R Ambedkar and David Hardimand
 Subaltern Perspective : B.R Ambedkar and David Hardimand

3. Cultural Perspective : Yogendra Singh

4 MIT-VI - Indian Society Continuity & Champe

1- Emerging challenges to India, Society 2- Halive and Direction of Social Chaye in India

3-Marginalized grays and minorities; I dentification

4- women Problems and Empwerme imand. Corruption: Causes impatant and legislehue mess

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REFERENCES:

1. Alexander, Jeffrey C. Ed. 1985 . Notificationalism , London : Sage

4 ban society 2. Althusser L 1971 Lenin and Philosophy and Other Essay .New York : Monthly Review Press

3. Appelrouth, Scott and Edles ,D .2008. Classical and Contemporary Sociological Theory: Text and Readings , Caligornia; Pine Forge Press.

4. Bourdieu .Pierre .1990 In other words Sociology: Essays towards a Reflexive Sociology .Oxford: policy Press

5. Connerton, Paul. Ed. 1976. Critical Sociology. Harmondsworth: Penguin

- 6. Dahrendrof, Ralf ,1979. Class and Class Conflict in Industrial Society . London: Rutledge and Kegan Paul.
- 7. Giddens .Anthony .2004 .In Defense of Sociology .Cambridge : Polity Press
- 8. Giddens ,Anthony and Turner .J.H.Ed.1987 .Social Theory Today .Cambridge: Polity Press

Contal

- 9. Lackmann, Thomas Ed. 1798 .Phenomenology and Sociology: Selected Readings.New York: Penguin Books.
- 10. Rabinow, Paul Ed 1986. The Faucault Reader. Harmondsworth: Penguin
- 11. Ritzer .George Ed.2007.The Blackwell Encyclopedia of Sociology .Oxford: Blackwell.

12. B.K. Nagla, Indian Sociological Thought, Rawat Publications, Delhi.

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Acan Auts

Wishesh Kr. Gutle

Associate Professor, Sociolosy

MH(PG) GHYPP

Madabad

Mobi. 941224530)

Mail: Zuptavishesh 56@ gman

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Subject: Statistics

The Syllabus for six months Research Methodology course

Syllabus for Paper I (Objective Type) (suggested Code: STRM 01)

Unit 1: Statistical Techniques 1

Methods of data handling, representation of data, primary and secondary data, central tendency, variance, covariance, Correlation, Regression, Partial and Multiple Correlation and Regression, Curve fitting, Theory of Attributes.

Unit 2: Statistical Techniques 2

Sampling, Simple Random Sampling, Stratified Sampling, Ratio and r

Regression method of estimation, Sampling Errors, Non Sampling errors, Estimation of sample size, optimization techniques.

Unit 3: Tests of Significance

Large sample tests, applications of Normal Distribution in one sample and two sample problems, Small Sample tests, applications of t, F and Chi - square distributions in one sample, two sample tests.

Unit 4: Design of Experiments

Basic principles of design, basic designs, Analysis of variance, Block designs, missing plot techniques in different designs, comparisons among various designs, Factorial designs, BIBD, Analysis of Covariance.

30/

Syllabus for paper II (Subjective Type)

(Suggested Code: STRM 02)

Probability, Random Variables, Probability distributions for discrete random variables, Binomial and Poisson distributions, Probability distributions for continuous random variables, The Normal distribution, Cauchy distribution.

Sampling Distribution, Central Limit theorem, Properties of Sampling Distributions, Unbiasedness and Minimum Variance.

Sampling Techniques, Simple Random Sampling, Stratified Sampling, Systematic Sampling, Cluster Sampling, One stage and two Stage Sampling, Comparisons among Different Sampling Scheme.

Statistical Inference, Estimation, Properties of Estimators, Testing of Hypothesis, Non parametric tests.

Analysis of Variance, Design of Experiments, Block designs, Factorial Designs and confounding in 2^n and 3^n factorial designs, split plot technique, strip plot technique, Analysis of Covariance.

Multivariate Analysis, Multivariate Normal distribution, Marginal and conditional Distributions, Wishart distribution, Hotelling's T^2 and Mahalanobis D^2 .

Joy

- Broposed Ph.D. Course work for ر - افض (داستان اول افسان) علش كا معموم إدراس كي قسيس Ci عَلَشَ اورعنر عَلَقُن عَ المتبازات (ii) دا شان؛ باغ دیها د ، اول: امراؤ مان دا ، افسانه: محلت رام کانتوری ما کرد . مكش ك تنقير مع تقاضع (iii (1V - 1 غزل کی آمریف اور اس کی صنی فصوصات (1) الدووفل ک روایت منف فخرل برساسی سماجی اور تہذیبی حالات سے انترات (11) (ni, فان کی غزل گوئی کا مطالعہ (IV] سقير - 40 تنقير كي تريف (1) اردو تنقيرك امول و نظريات (11) مالی کا تھور شقس (مقرمہ ستروشاعری کے دولے سے) (111) نظم كورمشوى 5 نظم اور متوى كى كورين Counteriqued (1) نظم اور متنوں کے فنق امتیازات Phlane (11) (R.P.K. Vaenhurey) نظیر اکر آبادی اور دوش ملیج آباری ی نظم نگاری Dear Arts (111) نظم: خَالَرِسَ خَطَابِ (فِوشَن) أور بنجارة نام (نظير البرآبادي) كا فعيومي مطالع (M) الدو ادب ى تانى - W A. Caip تعطب شامی دور می اردوزبان وادب کا ارتفاد غورت ولیم کالمح ک ادب فرمات (1) DR. AHMADTARIQ (11) . () mi () () CONVENER CHRAIN (111)

Broposed Ph.D. Course work for

ر حاش (داستان ناول افسان) خلش کا معم اوراس کی قسیس CÍ. عَلَشْ اورعنبر عَلَشْن عَ إِمْسَارَات (ii دا شان: باغ دیمار ، اول: امراؤ مان دا ، افسانه: بکلت رام کانتوری ها نزی -مَلَشَ كَ تَنْقِيرَ } تَعَافِ (iii (14 4 غزل کی لوریف اور اس کی صنی فصوصات (1) اددوغل ک روایت منف فخرل ہرساسی سماجی اور تہذیبی حالات سے افرات (11) Cni فان کی فزل گوئی کا مطالعہ (IV "سنفير - 200 تنقير کي ترين (1. اردو سقيرك امول و نظريات مالی کا تھور تنفس (مفرم ستروشاءی سے دولے سے) (1) (111 نظم كور منوى 5 نظم اور متوى كى لعريف Counterigued (1) لظم اور متنوی کے فنی امتیازات Itdam (11) Opp. K. Vaenhureys Dean Arts تظیر اکبرآبادی اور جوش ملیج آباری کی نظم نگاری لَظُم: ذَاكر ع خطاب (بوش) اور شجاری نام (نظیر اکبرآبادی) کا فعلومی مطالعہ (111. (IV, الدو ادبى تازى - W 1. Caip تعطب شامی دور می اردوزبان وادب کا ارتقاد فورٹ ولیم کالمح ک ادب فرمات فورٹ ولیم کالمح ک ادب فرمات (1)

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DR. AHMADTARIQ

CONVENER CURNIN

Broposed Ph.D. Course work for

١- افلش (داستان اول افسان)

خلش کا معموم اوراس کی قسیس cí. عَلَشَ إورعنبر عَلَقَن ع إمنيا زات (ii

(111

دا شان: باغ د بها د ، اول: امراؤ حان ادا ، افسانه: بیکلت رام کانتوری ها نزی -(IV

غزل کی آمریف اور اس کی صنی فصوصیات غزل کی آمریف اور اس کی صنی فصوصیات - 4 (1)

اردوفنل ک روایت (11)

ر من فرل ہرساسی سماجی اور تہذیبی حالات سے انترات منف فرل ہرساسی سماجی اور تہذیبی حالات سے انترات (ni.

فان کی غزل گوئی کا مطالعہ (IV

سفير - 200

تنقير كي تريف (1)

اردو تنقيرے اصل و نظريات (11]

مالی کا تھور تنفیر (مفرم ستروشاعری سے دولے سے) (111

نظم كور متنوى 5

نظم أور متوى كى كدريت (1)

لظم اور متنوی کے منفی امتیازات (11) نظیر اکبرآبادی اور جوش ملیح آباری کی نظم لگاری

نظم: خَارَ سِي خطاب (مِوشِن) اور سِنجاری نام (نظیر اکبرآبادی) کا فالموجی مطالب (111)

(IV) الدو ادب ى تانى - W

تعطب شامی دور سی اردوزبان وادب کا ارتفاد فورف ولیم کلیج کی ادب فرمات فورف ولیم کلیج کی ادب فرمات (1)

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Mais DR. AHMADTARIA

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(& l. K. Var Murey) Dean Acts

(11) (111)