



Office of the Principal  
**PRANATH COLLEGE (AUTONOMOUS)**  
KHORDHA-752057(ODISHA)  
NAAC Accredited 'A' Level

**CODE OF ETHICS**

Pranath College(Autonomous), Khordha has its ethical guidelines for its stake-holders to follow honesty, integrity and professionalism. This is a policy document or set of rules and principles which indicates the mission of the college and how its stake- holder can be encouraged to follow an ethical conduct. Any violation of code of ethics can result in sanctions including termination. It is intended to review and assess the functioning of academic, administrative and fiscal management of the institution. It also seeks to achieve effective enforcement of all policies and their reformation in tune with feedback.

The key features of ethical code of the Institution are:

1. To create and enhance ethical environment within the campus and to regulate the social behavior of all stake-holder
2. The rights of all the members of college Family shall be respected, promoted and safeguarded within the ambit of college premises.
3. To instill a spirit of democratic and decentralized approach towards academic, administration and fiscal sphere of the institution.
4. To promote shared decision making.
5. In order to maximize stake-holder friendly outcome, the institution shall strive to secure a fairness of procedure in every aspects of organization.
6. Intellect, spiritual and physical growth of all stake-holders through the pursuit of excellence in teaching, research and extension programme.
7. To establish social justice for all members of institution through equality and equity as per constitution of India.
8. To improve quality of teaching and research with a sustainable learning management system.
9. To promote scientific temper among all the stake-holders of the institution.
10. To foster a culture of high standard of honesty, integrity, ethical and law abiding behaviour among students, teachers, employees, alumni etc.(The Pranathian)



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*01/08/2022*  
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## IC 2.6 RESEARCH METHODOLOGY & SUMMER INTERNSHIP PROGRAM (Credit 4)

**Objective:** The Objective of this course is to help the students to understand the use of various techniques of statistics in research and writing a project report.

### CONTENT:

**Unit-I. Research:** Meaning, Objectives - Types of Research - Research Process - Validity and Reliability in Research; Role of Research in Functional Areas: Finance, Marketing, Human Resource Development and Production. **Research Methodology:** Research Process and Defining Research Problems

**Unit-II. Research Design:** Features of a Good Research Design; Sampling: Types, Sampling Design - Steps and Characteristics of a Good Sample Design  
**Methods and Techniques of Data Collection:** Primary Data - Questionnaire and Interviews - Collection of Secondary Data - Cases; Data Processing

**Unit-III. Testing of Hypotheses:** Procedure for Hypotheses Testing - Use of Statistical Techniques for testing of hypotheses - Sampling Errors

**Testing of Samples:** Sampling Distributions, Determining Size of the Sample

**Chi-square Test:** Analysis of Variance and Co-variance - Multi Variate Analysis

**Unit-IV. Use of Computer in Research:** Creating a Database and its use for Statistical Analysis, Analysis and Interpretation of Data, Use of Statistical Techniques in Analysis and Interpretation

**Unit- V. Report Writing:** Layout of a Research Paper, Categories and Parts of Summer Internship Report,

### **Course Outcomes:**

1. Describe the research process and list the characteristics of various types of research.
2. Formulate Research Problem, Research Objectives and Hypothesis from a given research problem.
3. Describe various research designs and methods of data collection
4. Creating a Database and Use of Statistical Techniques in Analysis

### **Books:**

1. Research Methodology, C. R. Kothari
2. Methodology Techniques of Social Research, Wilkinson, Bhandarkar
3. Research Methodology, Dr. V. P. Michael
4. Research Designs and Methods, Kenneth S. Bordens
5. Business Research Methods, Donald R. Cooper
6. Research Methodology, R. Cauvery, U. K. Sudha Nayak, m. Girija and R. Meenakshi
7. Research Methodology, V. Upagade and A. Shende
8. Research Methodology, D. Chawla and N. Sondhi



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1. Khanna, Sri Ram, Savita Hanspal, Sheetal Kapoor, and H.K. Awasthi. Consumer Affairs"
2. (2007) Delhi University Publication. 334 pp.
3. Aggarwal, V. K. (2003). Consumer Protection: Law and Practice. 5th ed. Bharat Law House, Delhi, or latest edition.
4. Girimaji, Pushpa (2002). Consumer Right for Everyone Penguin Books.
5. Nader, Ralph (1973). The Consumer and Corporate Accountability. USA, Harcourt Brace
6. Jovanovich, Inc.
7. Sharma, Deepa (2011). Consumer Protection and Grievance-Redress in India: A Study of
8. Insurance Industry (LAP LAMBERT Academic Publishing GmbH & Co.KG, Saarbrücken, Germany. 263 pp.
9. Empowering Consumers e-book, [www.consumeraffairs.nic.in](http://www.consumeraffairs.nic.in)
10. ebook, [www.bis.org](http://www.bis.org)
11. Nair Suja – Consumer Behaviour – Himalaya Publishing House

#### DSE-4

B.Com. (Hons.): Semester – VI

#### Business Research Methods and Project Work

**Objective:** This course aims at providing the general understanding of business research and the methods of business research. The course will impart learning about how to collect, analyze, present and interpret data.

**Section A: Business Research Methods 50 Marks**

##### Unit-I

**Introduction:** Meaning of research; Scope of Business Research; Purpose of Research – Exploration, Description, Explanation; Unit of Analysis – Individual, Organization, Groups, and Data Series; Conception, Construct, Attributes, Variables, and Hypotheses.

##### Unit-II

**Research Process:** An Overview; Problem Identification and Definition; Selection of Basic Research Methods- Field Study, Laboratory Study, Survey Method, Observational Method Existing Data Based Research, Longitudinal Studies, Panel Studies

##### Unit-III

**Measurement:** Definition; Designing and writing items; Uni-dimensional and Multi-dimensional scales; Measurement Scales- Nominal, Ordinal, Interval, Ratio; Ratings and Ranking Scale, Thurstone, Likert and Semantic Differential scaling, Paired Comparison; Sampling –Steps, Types, Sample Size Decision; Secondary data sources



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Hypothesis Testing: Tests concerning means and proportions; ANOVA, Chi-square test and other Non-parametric tests; testing the assumptions of Classical Normal Linear Regression.

**Section B – Project Report Marks (30 + 20)**

**Unit-IV Report Preparation:** Meaning, types and layout of research report; Steps in report writing; Citations, Bibliography and Annexure in report; JEL Classification

**Note:**

1. There shall be a written examination of 50% Marks on the basis of Unit I to III.
2. The student will write a project report under the supervision of a faculty member assigned by the college/institution based on field work. The Project Report carries 50% Marks and will be evaluated by University appointed examiners.

**Learning Outcome:** After completion of this paper, the students will be able to assess and apply a range of research method on a practical project.

**Text Books Recommended**

1. Mishra Business Research Methods , Oxford University Press.
2. Business Research Methods and Project work, Priyaranjan Dash, Vrinda Publications (P) Ltd

**Suggested Readings:**

1. Business Research methods, S.C. Agarwal, V.K. Global Pub. Pvt. Ltd., New Delhi.
2. Upagade & Shende – Research Methodology – S. Chand
3. A.K.P.C. Swain, Business Research methods and Project work, Kalyani Publishers, New Delhi
4. Dangi, H.K. Business Research methods, Cengage Learning
5. Chawla Deepak – Research Methodology – Vikash Publication

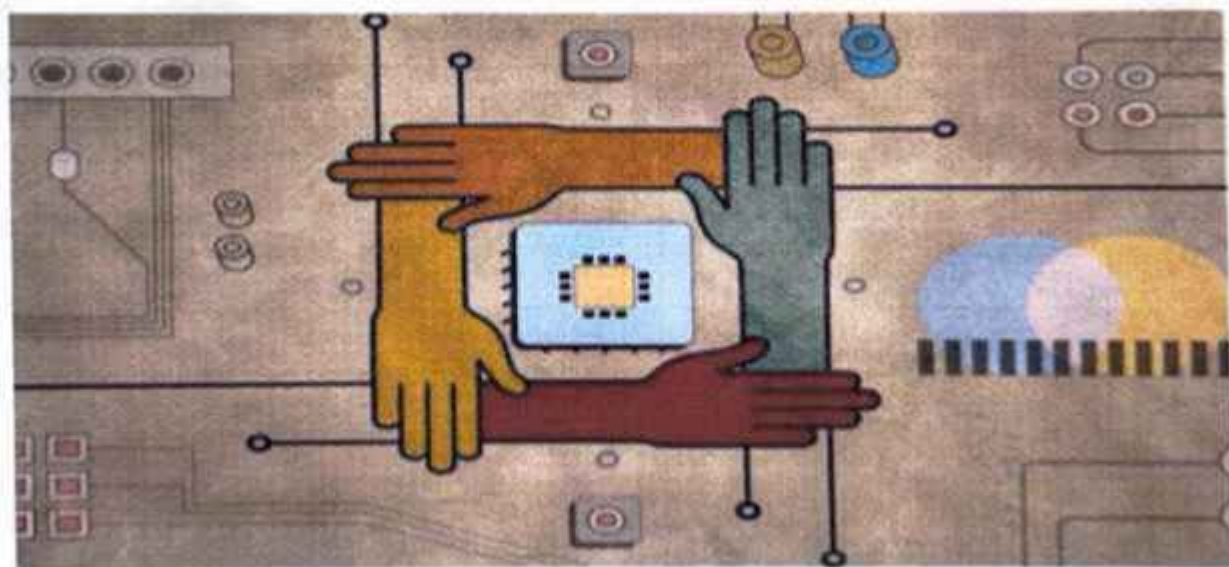


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# SOCIAL & ETHICAL AUDIT

(2020-21 & 2021-22)

Prananath College (Autonomous), Khordha



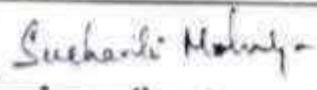
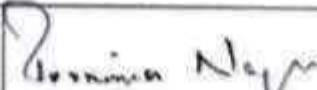
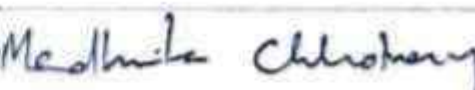
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# SOCIAL & ETHICAL AUDIT CERTIFICATE

This is to certify that an Social & Ethical Audit for Pranath College (Autonomous), Khordha , Odisha has been conducted for the session of 2021-22 to assess social and ethical value in all spheres of college activities, application of those ethical values in their life and identify the important ethics in the field of education.

Place:

Date:

		
<b>Mrs. Sucharita Mohanty</b> Former Reader in Psychology, Pranath Autonomous College, Khordha	<b>Dr. Purnima Nayak</b> Coordinator, Dept. of Mathematics	<b>Mrs. Madhusmita Chhotray</b> Dept. of Psychology

	
<b>Mrs. Geetarani Padhi</b> Dept. of History	<b>Mr. Pramod Kumar Biswal</b> Dept. of Zoology

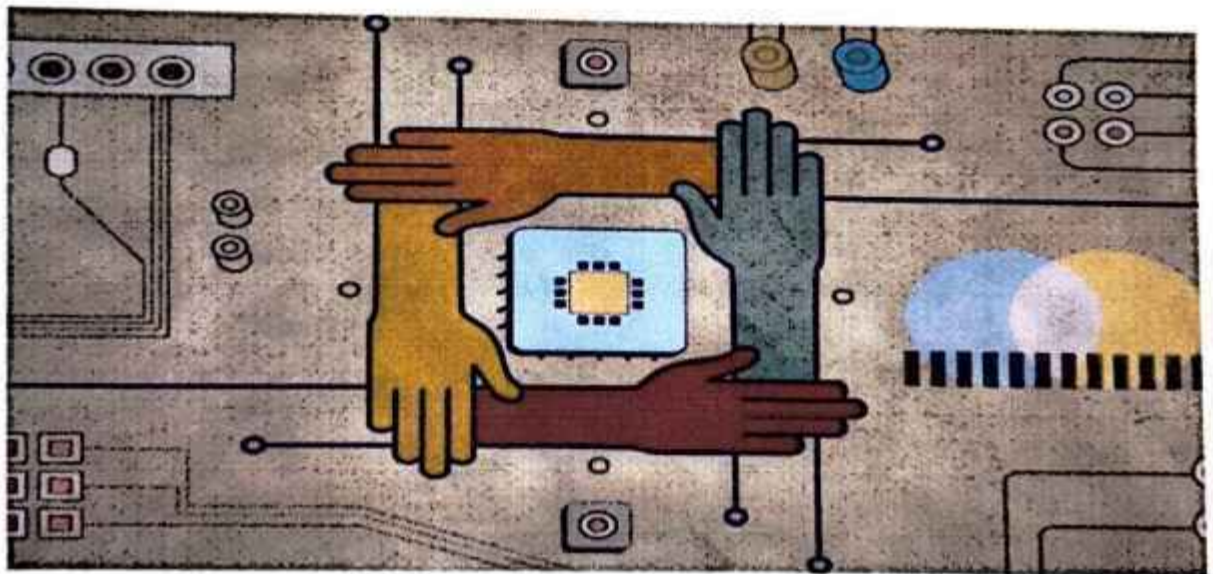


  
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# SOCIAL & ETHICAL AUDIT

(2022-23)

Prananath College (Autonomous), Khordha



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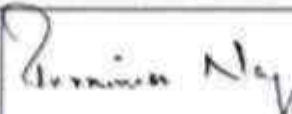
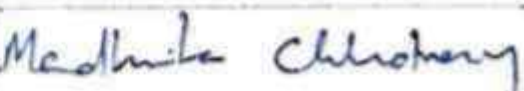
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Place: Khurdha

Date:

		
<b>Dr. Mousumi Kanungo</b> Former Principal in Psychology, Prananath Autonomous College, Khordha	<b>Dr. Purnima Nayak</b> Coordinator, Dept. of Mathematics	<b>Mrs. Madhusmita Chhotray</b> Dept. of Psychology

	
<b>Mr. Santosh Kumar Behera</b> Dept. of Chemistry	<b>Mr. Pramod Kumar Biswal</b> Dept. of Zoology



  
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With respect to Plagiarism Checker, Pranath (Autonomous) College has no particular software for Plagiarism Checker. We are using Plagiarism Checker by Grammarly in Google.



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# ADVANCED METHODOLOGY OF EDUCATIONAL RESEARCH : QUALITATIVE PERSPECTIVE

Full Marks : 30+70 =100

## Course contents

- Unit-I Research in Education : Conceptual Perspective**
- Meaning, Nature and Scope of Educational Research
  - Types of Educational Research : Basic, Applied and Action research; evaluation research
  - Planning the research study : Sources of research problems, Identification and Conceptualization of Research Problem, Statement of problem
- Unit-II Review of Related Literature and Research Proposal**
- Review of the literature : Purpose and resources; conducting the literature search; using databases and internet, internet search tools.
  - Formulation of research Questions, Hypothesis, Framework
  - Preparation of a Research Proposal
- Unit-III Major Research Methods and Procedure**
- Historical Method : Meaning, Significance and steps; Primary and secondary sources of data: external and internal criticism of data
  - Descriptive Method : Definition, purpose and process; types of descriptive studies
  - Experimental Method : Nature of experimental research; Variables in Experimental research - independent, dependent and extraneous
  - Causal comparative Method : Definition and purpose; Design and procedure; Data analysis and interpretation
- Unit-IV Methods of data Collection and Report Writing**
- Concept of population and sample : various methods of sampling; Random sampling techniques; and non-random sampling techniques; sampling errors and biased samples.
  - Tests, Inventories and scales; types and their construction and uses, Identifying a tool using reliability and validity information
  - Questionnaire : Forms, Principles of construction and their scope in educational research, administration of questionnaires

SEMESTER-III

PAPER - 2.3.15

**EDUCATION PRACTICUM : PREPARATION OF RESEARCH  
PROPOSAL, TOOLS AND DATA COLLECTION**

**Full Marks : 30+70 =100**

**PREPARATION AND PRESENTATION OF RESEARCH PROPOSAL**

Each student is required to select a problem on which he/she has to do intensive study under the guidance of a supervisor. The research proposal will be presented through power-point. All the students of the P.G. and U.G. (Hons.) of the department will remain present and participate in discussion of the paper. There will be an open viva-voce. They are also required to develop the tools for data collection and collect the relevant data by using tools. Marks shall be awarded to each student on the basis of relevance of the research proposal and tools, standard and quality of the proposal and tools, style of presentation and clarification of doubts raised by the participants and process of data collection.

an programme) A. Data Analysis and Report Preparation (100)  
 B. Viva Voce (100)

Full Marks: 100+100=200

Each candidate shall have to submit a dissertation on a relevant educational topic under the supervision of a member of the staff of the department. The dissertation must be submitted prior to the date prescribed for filling in the application form for admission into the next examination (after which the candidate shall not be allowed to re-apply). The dissertation shall be evaluated jointly by an external and internal examiner on the basis of relevance of the topic, quality of research input and the quality of presentation. There shall also be an open viva-voce test where all the students of the PG and UG (Hons) of the department will remain present and participate in the discussion of the report. This test will be evaluated on the basis of in-depth knowledge of the topic, logical reasoning, well-organized, followed, style of presentation and clarification of doubts raised by the participants or any other aspect of the research work that the examiners would consider suitable.

# **MA (PM&IR)**

## **SEMESTER-1**

### 1.1 (General Management)

Basic concept of Management and Nature of Business Organization, Roles and Responsibilities of Management, Management as a Profession, Management & Organization, Development of Management Thought- Contribution of Taylor, Follet, Mayo.

Managerial Functions- Other schools of Management Thought.

Planning- Types of Plan, objectives, MBO.

Organization- Line & Staff Organization, Matrix Organization, Departmentation, Delegation, Decentralization.

Directing- Leading, Co-ordinating, Communication, Feedback.

Controlling- Span of Control.

### PAPER- 101.2 (Industrial Relations-I)

Meaning, Determinants of IR Systems, IR Models, Trade Unionism- Formation & Recognition, Economic Environment and TU, Employer's Unions, Managerial Unionism- Bank, Railway and Postal, Role and Responsibilities of TUs, IR Trends and Future in India, National Commission on Labour, ILO-Its Role and Impact on Tripartism in India.

### PAPER- 101.3 (Labour Legislation-I)

Principles and Determinants of Labour Legislations, Constitution and Labour Legislation, Major Classifications, Growth of Labour Legislation in India, Social Justice, Natural Justice and Distributive Justice, ILO- Its Impact on LL in India.

Factories Act, 1948; Industrial Employment (Standing Orders) Act, 1946; Orissa Shops & Commercial Estt. Act, 1956; Inter-State Migrant Workmen's Act, 1979; Contract Labour (Regulation & Abolition) Act, 1970.

### PAPER- 101.4 (Industrial Economics)

Economic Development, Specific Issues Concerning Economic Development, Factors Facilitating Economic Development, Study of Organization and Structure of Industries, Size of Industries, Location of Industries- Factor influencing location, Role of Govt. and State Financial Institutions in Development of Industries, Liberalization, Privatization and Globalization, Industrial Policies, Licensing, FERA, EXIT Policy.

### PAPER- 101.5 (Social Research & Statistics)

Scientific Methods, Planning a Research Project, Problem Identification- Formulation and Classifications, Objectives, Concepts, Hypothesis and Assumptions, Design of Research-Importance and Types, Sources of Data, Available data methods- Observation, Interview, Questionnaire, Sampling Techniques, Elementary Statistics- Frequency Distribution, Measures of Central Tendency, Dispersion, Co-relation and Regression.

### PAPER- 101.6 (Industrial Sociology & Psychology)

Social System- Concept and prerequisites of Industrialisation, Industrial Development, Types of Production Relationship, Socialisation of Individuals, Attitude of Work, Work Ethos, Culture and Ethics, Changing composition of Industrial Workforces, Assembly line Production & Automation, Social Implication of Automation, Scope of Industrial Psychology, Methods of Psychology, Frustration and Conflict, Frustration in Industrial Organization and their Consequences, Defence Mechanism- Emotions, Health Hazards associated with Introduction of new Technologies, Principles and Philosophy of Safety Management, Accident, Accident Proneness, Psychology of Accident.

Perception: The focus of attention Perception: Same organizes principles. Constancies and illusions  
The plasticity of perception

#### **b. Learning**

Classical conditioning, Operant conditioning, Observational learning

### **Unit - III**

#### **a. Memory**

Human memory: The information processing approach Sensory memory, Short - term memory, Long - term memory, Forgetting from long term - memory, Memory in natural contexts, Biological bases of memory

#### **b. Cognition : Thinking, Dealing and Communicating**

Thinking: Forming concepts and reasoning to conclusions Making decisions: Problem solving and creativity Language: The communication of information

### **Unit - IV**

#### **a. Motivation and Emotion**

Motivation: The activation and persistence of behavior Emotion: Their nature, expansion and impact

**b. Measuring Individual Differences:** The Nature of Psychological Testing Psychological Tests: Reliability, validity and standardization, The nature and measurement of human intelligence. Human intelligence: The role of heredity and the role of environment. Measuring interests, aptitudes and achievements

### **Unit - V**

**Social Thought:** How we think About Others and the Social Culture a. Attribution: Understanding the causes of others behavior Social cognition: How we process social information Attitudes: Evaluations of the social world Prejudice and discrimination Social Behavior :Social influence: Changes other behavior ,conformity compliance, obedience Attraction and love: Interpersonal attraction, pro social behavior

#### **Reference:**

1. Morgan & King - Introduction to psychology
2. Alkinson & Alkinson - Introduction to psychology
3. Barron - Introduction to psychology

## **302 - BUSINESS ETHICS AND CORPORATE GOVERNANCE**

### **Unit I**

Business Ethics, Meaning, Scope, Nature and value of management, need for ethical decisions by managers, value of management ethics, management integrity, types of integrity and developmental integrity, Ethical planning.

### **Unit II**

Social Responsibilities of Business, concept, rationale, dimensions and tools of social responsibilities, social responsibility and social responsiveness.

### **Unit III**

Ethics in management, Ethical theories, Enterprise mission, institutionalizing ethics, code of ethics and its implementation.

### **Unit IV**

Social responsibilities of Indian Business firms, towards share holders, consumers, Government, Community etc.

### **Unit V**

Corporate Governance, meaning, scope and nature, trends in Governance practices, Corporate Governance Issues, Role of Auditors, OECD principles, and SEBI Guidelines.

IP; Internet Explorer; Electronic Data Security; Access Database System.

References :

1. G.V.Sathya Sekhar - MIS, Excell Books.
2. David Obeson - MIS, TMH.
3. Myrdick and Ross - Information system for Modern Management.
4. Kenneth J Laudon - Management Information Systems - Pearson/PHI, 10/e, 2007.
5. W.S.Jawadekar - MIS, TMH, 3/e, 2004.
6. Ralph Stair - MIS

## 505-INDIAN SOCIETY AND CULTURE

### Unit-I

**Demographic Profile:** Characteristics of Indian population, Population Growth, Age, Sex, Religion, Language, Occupation, National Policy on Population.

### Unit - II

**Indian Society:** Society and its types, Features of Tribal Society, Agrarian Society, Industrial Society.

### Unit- III

**Social Stratification:** Caste System, Class System, Communities, Ethnic Groups, Weaker Sections and Minorities, Constitutional Provisions for Scheduled Castes, Scheduled Tribes and Other Backward Classes.

### Unit- IV

**Socio-Economic Problems:** Poverty, Illiteracy, Unemployment, Hosing, Child Labor, Migration, Occupational Diseases, Insurgency, Terrorism, Crime, Project Affected People, social Destitute, Beggary, Aged Population, Juvenile Delinquency, Problems in Family Life.

### Unit- V

**Indian culture: Culture -** Features, Characteristics and Diversity. Differences with Western culture, Human Values, Values in Work Life, Value Crisis in contemporary Indian Society.

References:

1. Andre Beteille - Society and Politics in India, OUP.
2. Dipankar Gupta - Social Stratification, OUP.
3. Ram Ahuja - Social Problems in India, Rawat Publications.
4. M.N.Srinivas - Social Structure and Caste and Other Essays, OUP.
5. A.N.Tripathi - Human Values, New Age International.
6. NCERT - Text Book on Indian Society.
7. R.Thapar (Ed.) - Tribe, Caste and Religion in India, Macmillan

## 601- RESEARCH METHODOLOGY

### Unit- I. Introduction to Research.

Definition, scope, limitations & types, objectives, research process, research designs, terminologies; Research project : choice of topic, writing research proposal - objective, hypothesis, methodology, time frame.

### Unit- II Survey methods.

Survey designs- sampling, qualitative data, quantitative data, scaling technique; Research methods: interview method, observational method, questionnaires, case studies, action research, & documentary sources.

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**Unit-I:**  
Introduction: Definition, objectives, Functions and classification of advertising, Advertising Agency Functions & structure of modern agency, functions of the advertising department and advertising manager. Client - Agency Relationship (CAR), Selection of agency.

**Unit-II:**  
Advertising as Mass communication: the communication mix, building of advertising program: Creative strategy-Copy, message, advertising appeals, AIDA concept Creation and production in advertising: TV commercials, Radio Jingles, Print ads.

**Unit - III:**  
Advertising media, General and special characteristics of different media: Media planning, scheduling, selection and evaluation, Measuring advertising effectiveness (DAGMAR): The rationale of testing: pretesting, concurrent testing & post testing, recall and recognition.

**Unit - IV:**  
Advertising Budget: Approach and procedures for determining the size of the budget, Administration and control of budget. Regulation of Advertising: Self Regulation by advertising Media (ASCI), Ethics & Social Responsibility in Advertising, E-advertising.

**Unit - V:**  
Introduction: Definition, objectives, Functions and classification of sales promotion. Consumer Promotion, sales force planning and execution, Recent Trends, Elementary knowledge of public relations.

**References:**

1. Kazmi & Batra, - Advertising and Sales Promotion, Excel Books
2. Batra, Myers & Aaker, - Advertising Management, Pearson education/PHI
3. Jethawany & Jain, Advertising Management, Oxford University Press.

**504-MANAGEMENT INFORMATION SYSTEM & DSS**

**Unit- I**

Introduction: Organization and Information systems, Changing Environment and its impact on Business - the IT/IS and its influence - The Organization: Structure, Managers and activities - Data, Information and its attributes - The level of people and their information needs - Types of Decisions and information - Information system, categorization of information on the basis of nature and characteristics. Transaction Processing System (TPS) - Office Automation system (OAS) - Management Information (MIS) - Decision Support System (DSS) and Group Decision Support System (GDSS) - Expert System (ES) - Executive Support System (EIS or ESS).

**Unit-II**

System Analysis, Development and Models: Need for system analysis - Stages in system Analysis - Structured SAD and tools like DFD, Context Diagram Decision Table and Structured Diagram, system Development Models: Water Flow, Prototype, Spiral, RAD - roles and Responsibilities of System.

**Unit-III**

Computer Service Systems: Data Communication and Networking - LAN, MAN & WAN - Network Topologies, Internet, Intranet and Extranet, Information systems for: Accounting, Finance, Production and Manufacturing, Marketing and HRM.

**Unit- IV**

Design of Information System: Fundamental Concept of file design, database design, input output design, procedure design, form design, dialogue design, code design, coupling and cohesion.

**Unit- V**

Internet- A Conceptual Approach: Web Browsing - Concept of FTP, Telnet, uploading, downloading



charts, statistics, writing, formatting, results, conclusions, practice sessions, Type the

**Introduction:**

The course is to develop a research orientation among the students and to acquaint them with fundamentals of research methods. Specifically, the course aims at introducing them to the basic concepts used in research and to scientific social research methods and their approach. It includes discussions on sampling techniques, research designs and techniques of analysis.

**Unit I: Basics of Research**

Introduction to Research: Meaning, Objectives, Motivation, Types, Approaches, Significance, Research Process, Criteria of Good Research; Qualities of a Good Researcher, Research as a Career.

**Unit II: Research Problem**

Defining the Research Problem: What is a Research Problem? Selecting the Problem, Necessity of Defining the Problem, Technique Involved in Defining a Problem; Research Design: Meaning, Need, Features of a Good Design, Important Concepts Relating to Research Design, Different Research Designs, Basic Principles of Experimental Designs.

**Unit III: Issues in Research**

Measurement in Research, Measurement Scales, Sources of Error in Measurement, Tests of Sound Measurement, Techniques of Measurement Tools, Scaling and Important Scaling Technique  
Research Ethics: codes and ethics, permissions to research, responsibilities, confidentiality, feedback, participatory research; Research Proposal and literature review: research proposal, review of literature, levels of analysis, using the library and internet, abstracting, word processing, plagiarism, Concept of IPR.

**Unit IV: Actions in Research**

English in report writing: words, sentences, paragraph, writing style; The Report: improving quality, sections, drawing conclusions, evaluation checklists, persistence; Common Citation Styles

**Text Book:**

- Kothari, C. R. (2004): Research Methodology: Methods and Techniques, New Age International Private Limited Publishers, New Delhi.

**Reference Books:**

- Guthrie, G. (2010): Basic Research Methods, Sage Publications India Private Limited, New Delhi.

**Core Paper XI  
INDIAN ECONOMY I**

**Introduction:**

BA Education (Honours, Elective & Pass) Syllabus 2019-2020

Hyderabad: Neelkamal Publishers

Gronlund, N.E. (2003). *Assessment of student Achievement*. Boston: Allyn & Bacon

- Singh, A.K. (2016). *Tests, measurements and research methods in behavioural sciences*. New Delhi: Bharati Bhawan Publishers.

**Reference Books**

- Anastasi, A.(1976). *Psychological testing*. New York: Macmillan Publishing Co.
- Anderson, L.W. (2003). *Classroom assessment: Enhancing the quality of teacher decision making*.
- Banks, S.R. (2005). *Classroom assessment: issues and PRACTICES*. Boston: Allyn & Bacon.
- Blooms, B.S.(1956). *Taxonomy of educational Learning Objectives*. New York: Longman Green and Company
- Cohen, R.J., Swerdlik, M.E., & Phillips, S.M. (1996). *Psychological testing and assessment. an introduction to the tests and measurement*. California: Mayfield Publishing Co.
- Earl, L.M. (2006). *Assessment as learning: using classroom assessment to maximize student learning*. Thousand Oaks, California: Corwin Press
- Hopkins, KD. (1998). *Educational and psychological measurement and evaluation*. Boston: Allyn and Bacon.
- Linn, R.L. & Gronlund, N.E. (2000). *Measurement and assessment in teaching*. London: Merrill Prentice Hall.
- Macmillan, J.H. (1997). *Classroom assessment, principles and practice for effective instruction*. Boston: Allyn and Bacon
- Mohan, R. (2016). *Measurement evaluation and assessment in education*. Delhi: PHI Learning Pvt. Ltd.
- National Council of Educational Research and Training (2006). *Position paper: Examination Reforms*. New Delhi: NCERT
- Noll, N.H. S cannell, D.P. & Craig, RC. (1979). *Introduction to educational measurement*. Boston: Houghton Mifflin.

**Core Paper VI**

**EDUCATIONAL RESEARCH**

**Learning Objectives:**

On completion of this course, the student will:

- Describe nature, scope and limitation of educational research.
- Understand different types and methods of educational research.
- Explain sources from where knowledge could be obtained.
- Describe the process of research in education.
- Analyze research design in education.
- Illustrate procedure of collecting and analyzing data.
- Prepare the research report.

**UNIT 1: Concept and Types of Educational Research**

- (i) Concept and nature of research
- (ii) Meaning, nature and scope of educational research

- (iii) Types of research by purpose- fundamental, applied and action
- (iv) Types of research by approach- quantitative and qualitative

## UNIT 2: Design of Research and preparation of research proposal

- (i) Steps of Research
- (ii) Review of Related Literature; and identification of problem
- (iii) Hypothesis: meaning, types, sources and characteristics of hypothesis
- (iv) Concept of population and sample
- (v) Sampling procedures- probability and non-probability
- (vi) Tools and techniques for data collection (i.e. questionnaire, interview, observation and procedure of data collection, preparation of research proposal)

## UNIT 3: Methods of Research

Meaning nature and steps of:

- (i) Survey method
- (ii) Case-study method
- (iii) Historical research
- (iv) Experimental research

## UNIT 4: Writing Research Report

- (i) Data analysis and interpretation in research.
- (ii) Steps for reporting research
- (iii) Reporting style (APA Style)
- (iv) Plagiarism checking
- (v) Referencing Style (APA Style): Bibliography, Webliography

## PRACTICAL

- Preparation of a Research Proposal on any Educational Topic (Issues/ Trends/ Problems/ Psychological Topics)
- NB: It will be evaluated by both Internal and External examiners.

### Text Books

- Best J.W. and Kahn, J. V. (2006). *Research in education* (9<sup>th</sup> Ed.) New Delhi: Pearson Education Inc.
- Kaul, L. (1984). *Methodology of educational research*. New Delhi: Vikas Publication
- Singh, A.K. (2016). *Tests, measurements and research methods in behavioural sciences*. New Delhi: Bharati Bhawan Publishers.

### Reference Books

- Nanda, G.C. & Khato, P.K. (2012). *Fundamentals of Educational Research and Statistics*. New Delhi: Ludhiana.

Final  
2/2/19

## **SUGGESTED CURRICULUM FOR THE PROPOSED COURSE**

### **Ethics and Values**

(Consisting of six modules of 1 credit each: 15 lectures per credit)

**ODISHA STATE HIGHER EDUCATION COUNCIL**

A-11, 2<sup>nd</sup> Floor, PUSTAK BHAVAN  
SUKA BIHAR, BHOI NAGAR-751022  
BHUBANESWAR, ODISHA

## **OBJECTIVES/LEARNING GOALS OF THE COURSE**

- Development of a good human being and a responsible citizen.
- Developing a sense of right and wrong leading to ethically correct behavior.
- Inculcating a positive attitude and a healthy work culture.

## SEMESTER-I

### Unit-1

#### Title: - Issues Relating to Women

Total no. of Periods-15

Full mark-25

Credit point -1

#### 1.0 Aims of the Unit:

- *The module aims to generate a sensitivity among the students towards women*
- *Enable them to value the contributions of women, from family to the larger society*
- *To generate among them a distinct urge to respect women*
- *To appreciate that women should have equal status and equal entitlements as member of the society*

#### Learning Objectives:

After going through the contents of the module and the classroom transactions on the contents, the students are expected to

- Have changes in their perceptions and practices towards women
- Develop proper attitude towards women and value their work and contribution
- Come forward to challenge unethical treatments against women
- End gender based hierarchy and hegemony, remove the feeling that women are counter to men and bring about a complementarity among the hitherto existing gender binary
- Allow women to realize their self worth and contribute their best for betterment of the society
- Pioneer in creating a gender equal society where the well being, happiness and security of the women will be well protected ; contributing towards a better and happier society

#### Teaching Hours

#### 1.1 Introduction:

General introduction on Ethics and Values, Gender equality as an essential precursor to social progress, the present scenario, Desirable gender related values.

1-2-3

#### 1.2 Women and Family

Pre-natal sex selection, Gendered practices in the family, Gender based division of labour in the family, Marriage and women, Marriage and women's consent, Child marriage, Practice of dowry, Women and family violence.

4-5-6-7

#### 1.3 Women and Work

Women's work: The Invisible hands, Exploitation of women at work, Gender Stereotyping at work, Glass ceiling, Women and pay gap, Sexual Harassment of women at work, Working women and role conflict.

8-9-10-11

#### 1.4 Women, Community and Society

Violence against women in public spaces, Gender sensitive language and communication, Gendered language, Sexist Language, Gender neutral language, Women and property Rights, Women's property Rights in Indian Laws, The functionality of Women's Property Rights

12-13-14-15

*Some*

## SEMESTER-II

### Unit-2

#### Title: - Values and Good Citizenship

Total no. of Periods-15

Full mark-25

Credit point -1

#### 2.0 Aim of the Unit:

- Introducing the Salient features of Indian Constitution to students and to inculcate the sense of patriotism in them
- Encouraging them to Volunteer for social work
- Instilling appropriate work ethics in them

#### Learning Objectives:

- Understanding Basic Values of Indian Constitution
- Inculcating Volunteerism for Social change
- Helping students to become good human being and citizen

#### Teaching Hours

##### 2.1 Indian Constitution

Salient Values of Preamble: Sovereign, Socialist, Secular, Democratic, Republic, Justice, Liberty, Equality and Fraternity.

1-2-3

##### 2.2 Patriotism

Patriotic Value and ingredients of nation building, Concept of Good citizenship, Emotional connection with the country, Duties of citizens and Qualities of good citizens

4-5-6-7

##### 2.3 Volunteerism

Concept and facets of Volunteerism and Leadership, Building a better society through Volunteerism, Blood Donation, Social Work, Helping the Aged, Environmental Protection

8-9-10-11

##### 2.4 Work Ethics

Punctuality, Cleanliness, Law abidingness, Rational Thinking and Scientific Temper

12-13-14-15

## SEMESTER-III

### Unit-3

#### Title: - Issues of Drug, Tobacco and Alcohol Addiction

Total no. of Periods-15

Full mark-25

Credit point -1

#### 3.0 Aims of the Unit:

- Creating awareness about health and Societal hazards of drugs, tobacco and alcohol addiction
- Sensitizing students about professional support system for treatment and rehabilitation

#### Learning Objectives:

- The students become aware of the grave danger of consuming alcohol, tobacco and drugs
- Students would encourage their friends to remain away from tobacco ,alcohol , drugs and seek professional help when needed

#### Teaching Hours

#### 3.1 Extent of the Problem

Extent of Drug and Tobacco addiction and alcoholism in India, Myths associated with them, Health hazards associated with them and how they have become silent killers

1-2-3-4

#### 3.2 Socio- economic impact

Socio- economic impact of Drug and Tobacco addiction and alcoholism:

Loss of physical and mental strength, Loss of character, Loss of family ties and relationship, Loss of earning and livelihood potentials, Loss of societal respect and dignity etc

5-6-7-8

#### 3.3 Laws to Address this Problem

Silent features of social legislation such as NDPS Act, 1985 and COTPA Act , 2003 , Mechanism and Government Schemes for prevention , de-addiction and rehabilitation

9-10-11-12

#### 3.4 Role of Stake - holders

Provision of Tobacco free campus and role of students, Role of students in their family and immediate surroundings, Role of NGOs and other agencies

13-14-15



## SEMESTER-IV

### Unit-4

#### Title: - Ethical Values for Student Life

Total no. of Periods-15

Full mark-25

Credit point -1

#### 4.0 Aims of the Unit:

- To familiarize the students with core values of Academics and Goals of Education
- To create an awareness about Unethical practices in the academics

#### Learning Objectives:

- The students will learn to behave ethically in the campus
- Exhibit respectful treatment to others in an organizational context
- Contribute to develop a positive social environment through active participation and cooperation with others

#### Teaching Hours

#### 4.1 Meaning and Objective of Education:

Knowledge is power and quest for knowledge is the real meaning of education, not quest for Degree and qualifications; Real education builds character: Difference between Academic Qualification and Ability, Academic failure could be failure within the classroom, but not outside (i.e. Failed in exam, passed in life!)

1-2-3

#### 4.2 Challenges for Ethical Practices in Institutions of Higher Education:

Ragging, Suicide and Need for Educational Counseling, Violence vs. Peaceful Protest, Conflict resolution, Plagiarism and Violation of Intellectual property Rights, Cheating in Examination and other Fraudulent Practices

4-5-6-7

#### 4.3 Inter personal Relation and Community Life in HEI:

Green Preacher and conservation of Energy, Community Life in Campus including Hostels, Local Common area, Inter personal relations (Students-Teacher, Students-Student and Man-Woman, Positive Friendship).

8-9-10-11

#### 4.4 Ethical Leadership in Academic Institution:

Concept and Traits of Leadership to provide solution, everyone has Leadership Role (not limited to position), Concept of Ethical leadership, Scope of Leadership in college and Universities for Students, Teachers and Administrators, Importance of co-curricular and extra – curricular activities.

12-13-14-15

## SEMESTER-V

### Unit-5

#### **Title: -Vulnerable Sections of Society: Understanding their Issues**

Total no. of Periods-15

Full mark-25

Credit point -1

#### **5.0 Aims of the Unit:**

To create an awareness amongst students about the need for ensuring dignity and equality for the vulnerable sections of the society.

#### **Learning Objectives:**

- Students would be able to appreciate values and ethics relating to vulnerable sections of the society.
- Students would learn to practice equality, diversity and social justice.
- Students would become more empathetic and compassionate towards vulnerable sections of the society.

#### **Teaching Hours**

#### **5.1 Issues Relating to Children:**

Nutrition and health, Child Exploitation: Child labour, trafficking, Sexual exploitation

1-2-3-4

#### **5.2 Issues Relating to Elderly Persons:**

Abuse of Elders, Financial Insecurity, Loneliness and Social Insecurity, Health Care Issues, Needs for a Happy and Dignified Ageing

5-6-7-8

#### **5.3 Issues Relating to Persons with disability:**

Rights of PWD, affirmative action, Prevention of discrimination, providing equal opportunity, various scheme for empowering PWD and social justice for PWD

9-10-11-12

#### **5.4 Issues Relating to Third Gender:**

Understanding the Third Gender, Social justice for them, Removal of discrimination, Affirmative action and Acceptance of diversity of gender.

13-14-15

*Signature*

## SEMESTER-VI

### Unit-6

#### Title: - Environmental & Techno Ethics

Total no. of Periods-15

Full mark-25

Credit point -1

#### Aims of the Unit:

- To develop awareness and sensitize students about the importance of environment for a sustainable earth and to bring Green Technology into action
- To focus their attention towards cleanliness, preservation of biodiversity and practice of conservation of natural resources
- To make them understand the judicious use of modern technology strictly on need basis
- To use science and technology for preservation of environment and its sustainable development but not for destruction.

#### Learning Objectives:

- Develop an understanding of environmental ethics and work towards sustainable development
- Commitment to Green Technology for sustainable future
- Understand ethical issues relating to use of digital medium

#### Teaching Hours

##### 6.1 Environmental Ethics:

Types of Ecological Values, Environmental Values & Valuing Nature, Equitable use of Resources, Role of Individual in the conservation of resources for future generation, Bio-Ethics-Genetic manipulation in plants and animals for benefit of society and cruelty against animal.

1-2-3

##### 6.2 Promotion of Green Technology:

**Goal of Green Technology:** Reduce recycling, **Renew** (removal of chemicals), **Refuse** and **Responsibility**.

**Green Technology in relation to:** -Energy and Construction.

4-5-6-7

##### 6.3 Ethics and Technology with reference to Science, gadget, machine etc. and interaction with each other;

**Agricultural, Industrial, Digital, Globalized Age etc**

8-9-10-11

##### 6.4 Judicious Use of Technology:

**Judicious use of** Mobile Phones, Electrical machines, Plastics, Television, Computers and their harmful effects

**Ethics and Use of Digital Technology:** Cyber ethics- Crimes and Ethical hacking,

**Ethics of social media:** WhatsApp, Facebook, Twitter and others.

12-13-14-15

*Soni*