

Pre Ph.D. Course Work- Home Science
Faculty of Science,
Siddharth University, Kapilvastu

The students have to do pre Ph.D. course work of total 16 credits. Out of which, there will be two core courses of 06 credits each and one core course on research methodology of 04 credits. Each paper will carry 100 marks: 70 marks for theory paper and 30 for internal assessment. The internal assessment will be based on mid sem Test, and practical work (lab and/or field work), written assignments, presentations and credit seminar. During the entire course at least two papers published in any reputed journal bearing ISSN Number by the student is compulsory. The candidate will have to obtain at least 60% marks in theory as well as internal assessment in order to qualify the course. 85% attendance will be compulsory in theory/practical classes. The details of course work is given below;

Credits	Course name
6 (5+1)	Research Methodology
6 (4+2)	Advances in Extension Education
6 (5+1)	Advances in Gender Issues and development
6 (4+2)	Media Production And Management
6 (4+2)	Food processing technology and product development
6 (5+1)	Nutrition and Agriculture Interface
6 (4+2)	Food Analysis
6 (4+2)	Trends and Issues in Human Development and advances in Developmental Challenges for children
6 (5+1)	Mental health and development
6 (4+2)	Advances in textile science
6 (4+2)	Recent advances in Textiles and Apparel Designing
6 (4+2)	Recent trends in resource management
6 (5+1)	Consumer Studies

RESEARCH METHODOLOGY

Theory

Unit –I: Introduction: Definition of research, Qualities of researcher, components of research problem, various steps in scientific research, characteristics of good research, classification of research, research approaches, research objectives, hypothesis, research purposes, variables and measurements, research design, literature searching.

Unit – II: Design and planning of experiments, Time scheduling: Aims and objectives, expected outcome, methodology to be adapted, planning of experiments for achieving the aims and objectives, importance of reproducibility of research work.

Unit – III: Statistical analysis and Fitting of data: Introduction to statistics- Probability theories, conditional probability, Poisson distribution, Binomial distribution and properties of normal distributions, Estimates of means and proportions, Chi-Square test, Association of Attribute test- test – standard deviation, - coefficient of variations, Correlation and regression analysis, Introduction to statistical packages, plotting of graphs, Sources of data. Primary data, secondary data, Sampling merits and demerits of experiments.

Unit-IV: Sampling and tools of data collection: sampling, sampling types, sampling error, data collection tools like questionnaire, observation, interview, schedule, case study, survey, experiments etc.

Unit – V: Scientific writing and Publication ethics: Structure and Components of research report, Types of report: research papers, thesis, Research project reports, pictures and graphs, citation styles, Publication ethics: definition, introduction and importance, best practices/ standard setting initiatives and guidelines, publication misconduct, definition concept, Violation of publication Ethics, Authorship and contributor ship, identification of publication misconduct, complain and appeals.

Unit- VI Seminar

Practical: Based on Syllabus, Exercise on data collection and analysis, development of questionnaire, schedule, hypothesis, research problems and objectives, writing review papers

References:

1. "How to write and publish" by Robert A. Day and Barbara Gastel, (Cambridge University Press).
2. "Survival skills for Scientists" by Federico Rosei and Tudor Johnson, (Imperial College Press).
3. "How to research" by Loraine Blaxter, Christina Hughes and Malcolm Tight (Viva Books).
4. "Probability and Statistics for Engineers and Scientists" by Sheldon Ross (Elsevier Academic Press).
5. "The Craft of Scientific Writing" by Michael Alley (Springer).
- 6 "A Student's guide to Methodology" by Peter Clough and Cathy Nutbrown (Sage publication).
7. "Ethics in Competitive Research: Do not get scooped; do not get plagiarized" by P. Chaddah (2018). ISBN:978-938748086
- 8 Indian National Science Academy (INSA). Ethics in Science Education, Research and Governance (2019), ISBN: 978-81-939482-1-7.
http://www.insaindia.res.in/pdf/Ethics_Book.pdf

ADVANCES IN EXTENSION EDUCATION

Theory

Unit-I: Extension systems in India; Extension efforts before and after independence – Community Development Programme – Genesis and critical appraisal; Panchayati Raj Institutions; Area and target oriented programme – IAAP, T& V, Special programmes for poor, women and children -IRDP, TRYSEM, DWCRA; JRY, IAY, SGSY. Extension Approaches to rural development; Support structures and their functions – DRDA, NREGP, Central Social Welfare Board, State Social Welfare Board, NABARD; National Level Voluntary Agencies – CAPART and KVIC; extension systems- KVK, NATP, IVLP, ATIC, NAIP, AICRP.

Unit-II: Introduction, process, elements, theories, types, Classification of extension teaching methods according to individual, group and mass approach. Media of Communication. Classification of Audio – visual aids, its importance in Extension. Significance in respect to community needs advantages and limitations. Role of traditional and modern media in communication - Use of folk media, puppetry, exhibitions, theatre, posters, print media (Newspapers, books, leaflets, IEC materials), radio television and cinema. Newer methods of communication; ICTs, Digital communication channels, social media

Unit-III: Participatory tools and approaches- Principles, methods, classification, techniques and tools, utilization of PRA methods in field studies, use of supportive techniques – secondary sources, direct observation, semi structured interviews, case studies and stories,

drama, games, role-plays, scenario workshops, triangulation, continuous, analysis and reporting. Ranking and scoring and making maps and diagrams.

Unit-IV: Seminar

Practical: Based on Syllabus, Development of various communication media, Collection of data through PRA techniques, development of various information material, Visit to different extension organizations

Suggested Readings

1. Axinn George H & Thorat SS. 1972, Modernizing Agricultural World Wide. Oxford & IBH.
2. Cernea MM, Russel JFA & Coulter JK. (Eds.) 1983, Agricultural Extension by Training and Visit- The Asian Experience The World Bank Washington D.C.
3. Cernea MM, Russel JFA & Coulter JK (Eds.) 1983, Agricultural Extension by Training and Visit- The Asian Experience. The World Bank Washington D.C.
4. Dantwala ML & Barmeda JN. 1990, Rural Development Approaches and Issues, Indian Ag. Dev. Since Independence. Oxford & IBH.
5. Dantwala ML & Barmeda JN. 1990, Rural Development Approaches and Issues, Indian Ag. Dev. Since Independence. Oxford & IBH.
6. Dhama OP & Bhatnagar OP. 1991, Communication for Development. Oxford & IBH.
7. Mondal S & Ray GL. 2007. A Text Book of Rural Development. Kalyani
8. Ray GL. 2006, Extension Communication and Management. Kalyani.
9. Rivera WH. 1987, Agricultural Extension World Wide Issues, Practices and Emerging Pritities. Croom Helm.
10. Rivera WH. 1987, Agricultural Extension World Wide Issues, Practices and Emerging Pritities Croom Helm.
11. Singh H. 1985, Rural Development in India. Print Well Publ.
12. Singh H 1985, Rural Development in India. Print Well Publ.
13. Singh RP, Mathur PN & Kumar GAK. 1999, Extension Education - A
14. Handbook for Extension Personnel. IFWA, IARI, New Delhi.
15. Swanson BE, Bants RP & Sofrenko AJ. 1984, Improving Agriculture Extension - A Reference Manual. FAO.
16. Vanden Ban AW & Hawkins HS. 1988, Agriculture Extension. Longman Scientific Technicals.
17. Dahama, OP and Bhatnager, O.P. (1987) Education and Communication for development, Oxford and IBH Publishing Co. Pvt. Ltd. New Delhi.
18. Ray, G.L. (1999). Extension Communication and Management, Naya Prakashan, Kolkata.
19. Reddy, A. (1999). Extension Education. Sree Lakshmi Press, Baptia.
20. Waghmare, S.K. (1989), Exploring of Extension Excellence, Multi tech. Pub. Company. Chicago Manual of Style. 14th Ed. 1996, Prentice Hall of India.

ADVANCES IN GENDER ISSUES AND DEVELOPMENT

Theory

UNIT-I : Gender- meaning, gender related definitions and importance for empowering women; need and focus on gender sensitization- gender in community diversity and its implication for empowerment. Gender policy

UNIT-II Gender approaches, Gender tools and methodologies. Dimensions and methodologies for empowerment, gender budgeting;

UNIT-III Gender analysis framework- context, activities, resources and programme action profile; technologies and empowerment - gender specific technologies, household technology interface, socio-cultural interface and women as consumer of technologies

UNIT-IV: Seminar

Practical: Development of gender indicators, collection of data, analysis of secondary data on gender, Selection of women groups and conducting need assessment Development of questionnaire for data collection and intervention package Visit to different organizations

Suggested Readings:

1. Cockburn C & Ormrod S 1993, Gender and Technology in the Making Sage Publ.
2. Grover I 2006, Introducing Gender Manual, Department of Home Science Extension Education, COHS, CCS HAU, Hisar.
3. Grover I. 2006, Unpacking Gender and Feminism. Manual, Department of Home Science Extension Education, COHS, CCS HAU, Hisar.
4. Grover I., Kaushik S & Khetarpaul N. 2006, Gender Health and Nutrition. Manual, Department of Home Science Extension Education, COHS, CCS HAU, Hisar.
5. Kaushik S 2006, Gender & Education. Manual, Department of Home Science Extension Education, COHS, CCS HAU, Hisar.
6. Krishanraj M & Chanani K. 1989, Gender and the Household Domain –Social and Cultural Dimension. Sage Publ.
7. Mc Neil Maureen (Ed.). 1989, Gender and Expertise. Free Association Books.
8. Mehta S. 2006, Gender and Media. Manual. Department of Home Science Extension Education, COHS, CCS HAU, Hisar
9. Oxfam 1994, Gender Training Manual. Oxfam.
10. Rani S. 2006, Gender and Work. Manual, Department of Home Science Extension Education, COHS, CCS HAU, Hisar.
11. Rose K. 1992, Where Women are Leaders -The SEWA Movement in India. Vistaar Publ.
12. Shiva V. 1989, Staying Alive - Women, Ecology and Development. Zed Books.
13. Yadav L 2006, Gender and Governance. Manual, Department of Home Science Extension Education, COHS, CCS HAU, Hisar.
14. Berk LE. 1996. Child Development. Prentice Hall. Choudhary DP. 1992. Women Welfare and Development. NIPCCD.
15. Hetherington EM & Parke RD. 1993. Child Psychology. A Contemporary View Point. McGraw Hill.
16. Saraswathi TS & Kaur P. 1999. Human development and Family Studies in India, Sage Publ

MEDIA PRODUCTION AND MANAGEMENT

Theory

UNIT-I: Process of print media production: newspaper, magazine and other extension publications (leaflets, brochures, newsletters, bulletins, booklets, posters etc.).

UNIT-II: Papers: kind and size of papers; Color theory for print; Use of graphics, illustrations and diagrams in production; Software for production: basics of photoshop and pagemaker.

UNIT-III: Process of electronic media production: radio, TV, Different programme formats for radio and television; Hardware and gadgetry requirements, Multimedia concept and evolution, Fundamentals of making a multi media programme: text, graphics and audio

Unit- IV: Structure and functioning of selected media organizations: print and electronic media. Different shots and angles, functioning of camera, different camera types,
Unit-V: development of articles for radio, newspaper, story board, Photography; its basic principles, Preplanning scripting, shooting, developing, mounting, recording of commentary or dialogue, synchronization of frame with recording.

Unit-VI Seminar

Practical: Based on Syllabus, Preparation of Headlines, illustration, slogan, logo, Writing for general interest sites; writing scripts for various media, Online and net newspapers and editions, Blogs, search engines, video logs, web pages, home pages, design and layout: Evaluation of e-journals; Web site designing ,sound addition, web visual editor, creation and editing. Multi media and emerging technologies: video-on demand, internet, radio and web Television

Suggested Readings

Robert Reinhard & Snow Dowd 2004. Macromedia Flash Mx 2004 Bible. Wiley.
Tay Vaghan 2002. Multimedia- Making it Work. 5th Ed. Tata McGraw- Hill

FOOD PROCESSING TECHNOLOGY AND PRODUCT DEVELOPMENT

Theory

Unit I: Principles underlying food processing operations including thermal, radiation, refrigeration, freezing and dehydration. Effect of processing on physicochemical characteristics and losses during storage, handling and processing of cereals and legumes, oilseeds, fruits and vegetables, milk and milk products, egg, meat, poultry and fish, convenience foods, processed foods Technologies underlying in mutual supplementation, enrichment and fortification, fermentation, malting, germination. Food additives, Quality control in food industry: raw material , finished products. Waste management and sanitation in food industries. Packaging of foods.

Unit II: Food Preservation and storage- Introduction to Food Preservation and Storage, Food Spoilage, Principles and Different Methods of Food Preservation, Food Dehydration and Concentration,

Unit III : Bakery and Confectionary – Introduction to baking science, basic materials used in bakery and confectionery, Tools and Machinery used in Bakery and Quality control, flours and flour mixtures, Essential ingredients used in Baking, Different Rheological Properties:- Application in Bakery and Confectionery,

Unit IV: Types of markets, the marketing environment, marketing process, packaging, labeling and costing of Products.

Unit-VI: Seminar

Practical: Based on Syllabus, Preparation of food products related to cereals, pulses, milk and milk products, fruits and vegetables. Preparation of Baked products- Biscuit, cookies, cake, bread, Pastry etc prepared the product of food preservation- Jam, jelly, pickles, squashes, marmalade, Sauce and chutneys. Visit to preservation centre and food industry.

Suggested Readings-

- 1 Foods Facts and Principles, N. Shakunthala Manay and M Shadaksharaswamy, 2001.
2. Mamoria C.B, 1977, Principles and Practice of Marketing in India, Kitab Mahal, Allahabad.

3. Ramaswamy, V.S., 2002, Marketing Management, Macmillan India, New Delhi.
4. P J Fellows, Food processing technology: Principles and practice (Third edition) Consultant, UK Woodhead Food Series No. 174 June 2009, Woodhead Publishing Limited.
- 5 Da-Wen Sun, Emerging Technologies For Food Processing, National University of Ireland, Earlsfort Terrace, Dublin Hardbound, 792 pages, publication date: JUL- 2005.
6. R.Y. Yada, Rickey Yoshio Yada, Proteins in food processing, CRC Press, 2004.
7. Peter Fellows, Food processing technology: principles and practice, CRC Press, 2000

NUTRITION AND AGRICULTURE INTERFACE

Theory

Unit I: Food situation in India and in the world, food production and consumption trends; food balance sheets.

Unit II: Role of nutrition in agricultural planning and national development. Linkages between agricultural practices: food production, food distribution and nutritional status; food crop failure and malnutrition; poverty and vicious cycle of low food production; consumption indicators, nutritional status indicators and their role in agricultural planning.

Unit III: Agricultural development and its effect on food availability; effect of food production and economic policies on food availability; impact of physical resources, farming systems, cropping system, inputs and manipulation, agricultural marketing system, post harvest processing of foods on food and nutrition situation; food distribution systems .

Unit IV: Food and nutrition security at national and household level; nutrition policy implementation; nutritional impact of agricultural programmes, food price control and consumer subsidy; contribution of national and international organization for agricultural development.

Unit-V : Seminar

Practical: Based on syllabus including presentations

Suggested Readings:

- 1 Census 1981, 1991, 2001
2. UNICEF 1999, The State of World's Children. Oxford University Press.
3. RDF Primer 2004, Retrieved January 23, 2006, from <http://www.w3.org/RDF/>
- 4 RDF Vocabulary Description Language 1.0: RDF Schema 2004, Retrieved January 23, 2006, from <http://www.w3.org/TR/rdf-schema/>
5. OWL Web Ontology Language 2004, Retrieved January 23, 2006, from <http://www.w3.org/TR/owl-features/>

FOOD ANALYSIS CREDITS

Theory

Unit I: Familiarization to terms and calculations used in preparation of various standard solutions. Sample and sampling techniques.

Unit II: Principles, techniques and applications of colorimetric, spectrophotometer and atomic absorption spectrophotometer,

Unit III: Principles, techniques and applications of fluorimetry, flame photometry, electrophoresis,

Unit IV: Principles, techniques and applications of chromatography (paper chromatography, TLC, GLC, HPLC)

Practical: Handling of equipments and instruments, preparation of samples and solutions, quantitative estimation of proximate principles, minerals and vitamins by using different methods and instruments.

Suggested Readings:

1. AOAC, 1995 Association of official analytical chemists. Washington DC
2. Pomeranz Y and Molean CE, 1977. Food analysis theory and practices.
3. Sawhney SK and Singh R. 2000. Introductory practical biochemistry

TRENDS AND ISSUES IN HUMAN DEVELOPMENT AND ADVANCES IN DEVELOPMENTAL CHALLENGES FOR CHILDREN

Theory

Unit I: Classical and contemporary theoretical orientation to Human development. regulation of development –

Unit II: Developmental psychology to Developmental Science from deficit to diversity in development. Consistency of concepts, phenomena and methods of study – foundations of developmental thinking, multilevel nature of developmental processes , constructing general model for development – developmental behaviour genetics

Unit III: Cognitive and emotional development – dynamic structure in cognitive and emotional development – growth cycle, brain activity Dynamics of stability and variability in development – role of experience in development – optimal experience theory – human action perspective to development developmental diversity and regularity- intentional personal development – personal control over development.

Unit IV: Life span theory in development five levels of analysis - life cause theory basic concepts life transitions and historical change – future directions for life course and behaviour genetics – religious and spiritual development through life span – positive and negative correlates.

Unit V: Classification of developmentally challenged children, current statistics, its implications on the quality of life. Multi disciplinary view of children with special needs. Remedial programmes for different types of special needs- mental deficiency, sensory disabilities, neurological disorders, physically challenged. Special programmes for the gifted. Characteristics, assessment, educational and vocational interventions Policies, Government provisions, Concessions, Facilities and Legislations for challenged children.

Unit-VI : Seminar

Practical: Based on Syllabus, Development of different information materials for the children with special focus to children with special needs, visit to different health organizations,

Suggested Readings:

1. Berk Laura E. 1989, Child Development. Allyn & Bacon.
2. David Ausubel & Ednaund V Sullivan 1970, Theory and Problems of Child Development. Grune & Stratton.
3. Dolly Singh 1995, Child Development – Issues, Policies and Programme. Kanishka Publ.
4. Handbooks of Child Psychology. 1998 & 2006, Vol. IV. John Wiley & Sons.
5. Saraswathi TS & Kaur B. 1993, Human Development and Family Studies in India. Sage Publ.

MENTAL HEALTH AND DEVELOPMENT

Theory

UNIT- I : Mental Health : Definition, Concept and importance of holistic health, well-being and happiness, National mental health policy of India, Community mental health: needs and programmes, mental problems and issues

UNIT-II : Mental health in different stages of life.

Infancy

- Implication of attachment and bonding for mental health; deprivation syndrome
- Malnutrition and its effect on growth and behaviour
- Intervention with families and professionals from allied fields

Early Childhood years

- Mental health needs: safety, security, relationships, autonomy and self-concept, nutrition and health
- Behaviour difficulties manifested at this stage, e.g. feeding problem, aggression, withdrawal problems related to early schooling and formal leaving
- intervention work with children, families, teachers and other significant adults

Middle Childhood

- Mental health needs: recognition, appreciation, friendships and industry
- School related problem e.g. discipline, truancy, fears and phobias, learning difficulties and disabilities
- Maladjustment at home and school
- Providing guidance to children, parents, teachers, peers and school administration

Adolescence

- Mental health needs: sense of identity, autonomy, individualism
- Problems related to physical appearance, development and relationships.
- Problem related to sexuality
- Authority-adolescent conflicts (e.g. parents, school authority, grandparents)
- Guidance and Counselling of adolescents, parents and other significant adults, school personnel

Adulthood

Mental health problems in the community:

- Life events that cause stress, e.g. Separation due to death, migration etc.
- Substance abuse and addiction
- Violence and sexual abuse

Management and stress counselling, training in relaxation, yoga, meditation

UNIT-III Mental health programmes and initiatives in India and global, Role of Ministry of health and family welfare in mental health

Unit-VI: Seminar

Practical: Based on Syllabus, Development of various plans and strategies for take care of persons suffering from mental health. Visit to some organizations/institutes related to mental health challenges.

References

- 1 Morrison, R. and Herrick, N. (2010). Psychiatric Disorders with Relevant Remedies. B. Jain Regular.
2. Coer, R.J. and Comer, J.S. (2017) Abnormal Psychology. Worth Publishers
- 3 Lebowitz, E.R. and Omer, H. (2013). Treating Childhood and Adolescent Anxiety: A Guide for Caregivers. Wiley.
4. Gopalkrishnan, N. (1994) Mental Health and You. Mumbai: Popular Prakashan.

IN TEXTILE SCIENCE

Theory

Unit I -Technical Textiles - Developments in Nano-fibre and microfibre non-wovens; importance and classification of technical textiles- types of fibres, materials. Medical Textiles; Special textiles for industrial applications; automotive textiles; Industrial textiles. Agro textiles; geotextiles; Phase Change Materials, Shape Memory Materials; Chromic Materials. Conductive Materials and other Functional Materials- characteristics and its applications; Smart textiles – factors affecting the selection and uses

Unit-II Eco-Textiles - Industrialization, eco-balance and textile ecology. Air, noise and water pollution by mechanical and chemical textile processing and their effect. Treatment and disposal of textile effluents. Treatment processes of sewage. Health hazards of textile workers working in various textile units and their remedial measures. Banned dyes and auxiliaries. Eco-friendly production and processing of textiles with special reference to organic and naturally coloured cotton, natural dyes and detergents etc. Indian and International environmental legislations. Eco labelling, management and auditing

Unit-III: Seminar

Practical: Based on Syllabus, Testing and identification of different textile fibres, development of different labels for textiles, visit to a textile industry

Suggested Readings:

1. Mark KH, Woodlings & Atlas SM. 1971, Chemical after Treatment of Textiles. John Wiley & Sons.
2. Skinkle JH. 1972, Textile Testing, D.B. Taraporewala.

RECENT ADVANCES IN TEXTILES AND APPAREL DESIGNING

Theory

Unit-I . Recent advancement in production and manufacture of- Textile fibres, Yarns, Fabrics. Recent advancement in dyeing and dyeing machinery, printing and printing machinery, Chemical processing of natural and synthetic textiles, Recent advancement in finishes and garment embellishments

Unit-II: Development of some advanced level of apparels, development of apparels for special need children and professionals,

UNIT-III : Use of waste fabric into usable apparels (best out of waste)

UNIT-IV: Seminar

Practical : Based on Syllabus, Development of various apparels

References:

- 1 V.A. Shenai. Technology of Textile Processing. Vol IV. Sevak Publication.
- 2 R.S Prayag. Technology of Textile Printing. Noyes Data Corporation.
3. R. Vatsala, Textbook of Textile and Clothing, ICAR publications
4. Nalini Srivastava, Tie and dye, PanditSunderlal Sharma Central Institute of Vocational Education

RECENT TRENDS IN RESOURCE MANAGEMENT

Theory

Unit-I The ontology of consumer economics: perspectives and viewpoints. Marketing and customer behaviour: Human behaviour v/s Product behaviour; Model of consumer motivation and behaviour. Individual predisposition in marketing. Group influences in marketing.

Consumer decision processes. Aggregate consumer behaviour overtime: Diffusion of innovations; Brand loyalty. Globalization, Liberalization and Privatizationits impact on consumer behaviour. The W.T.O. The issues for consumers. Codex Alimentarius Commision: Its implications for consumers. The Services: consumer perspective and implications; The inspection into transparency through citizen's charter.

Unit-II Review Government programmes/ Schemes designed to: Increase family financial security; Increase family food security; Generate consumer awareness Consumer Protection: Problems and prospects; Laws and Regulations; Role of Media and Organizations. Managerial and Research implications of consumer issues.

Unit-III: Architectural dimensions- flooring, stairs, storage, workstations, furniture, fixtures and fitments, equipment. Indoor Environment- Light, noise, humidity and temperature. Managerial Dimensions- Time, money, energy, food and health, psycho- social; External environment support.

Unit-IV: Seminar

Practical: Based on Syllabus including presentations

CONSUMER STUDIES

Theory

Unit-I Consumer economics Consumer and the Indian economic environment,, Economic system, Markets and Marketing, Theories of Consumer Behaviour, Consumer Buying habits and buying motives, Business cycle, Markets and Prices, Consumer Credit, Channels of Distribution, Consumer Decision making process, Consumer and Institutional Finance

UNIT-II trends in consumer behaviour, use of social media to cater consumers, digital marketing of products

Unit-III: Consumer information and redressal- Consumer movement, Consumer protection, Consumer information, Consumer redressal, Alternative redressal mechanism for consumer grievances, Project and research in consumer affairs

Unit-IV: Seminar

Practical: study the consumer behaviour and pattern, development of questionnaire, digital marketing, visit to different educational institutions

References

1. Chandra, P. (2014). Fundamentals of Financial Management. McGraw Hill Education
- 2 Chandra, P. (2015). Financial Mngement: Theory and Practice. McGraw Hill Education
- 3 Goldsmith, E.B. (2016). Consumer Economics: Issues and Behaviors. Routledge.
4. Jacobson, A.R., Malouf, C.A. and Lowe, R.E. (2008). Consumer Education and Economics. McGraw Hill education
5. Paul, M.C. (2015). Consumer Redressal System and Consumer Protection in India. Kalpaz Publications.
6. Schiffman, L.G., Wisenblit, J. and Kumar, R.S. (2015). Consumer Behavior. Pearson Education India.