



**School of Social Sciences
Devi Ahilya University, Indore**

Syllabus 2017-18

Ph.D. / M. Phil.- Course Work

Home Science

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Scheme

| S. No. | Paper Code | Paper Name | Credit |
|--------|------------|---|-----------|
| 1. | 001 | Research Methodology | 4 credits |
| 2. | 002 | Review of Published Research in the relevant field | 3 credits |
| 3. | 003 | Computer Applications | 3 credits |
| 4. | 004 | Advance course in the relevant subject: Advance Paper Home Science | 3 credits |
| 5. | 005 | Comprehensive Viva-Voce | 3 credits |

Paper I: Research Methodology

UNIT I

Definition, Concept, Types, Importance, Formulation of Research problem, Research process, Research design, Data collection tools, Primary and Secondary data.

UNIT II

Qualitative and Quantitative research, Measurements of Scales in Social Sciences.

UNIT III

Sampling Vs Census, Types of samples, Probability and Non Probability methods, Importance of sampling in Social Science, Sample size, Sampling Error.

UNIT IV

Hypothesis, testing of hypothesis, process, types of hypothesis, Sampling distribution, standard errors, test of significance for small and large samples- parametric and non parametric tests.

UNIT V

Application of Statistical techniques in Research, Measures of central Tendency, Dispersion, Simple correlation, Simple Regression, Normal Distribution, Skewness

UNIT VI

Diagrammatic and Graphical presentation
Report Writing, Research Proposal, Ethics in Research and Presentation Techniques

*Note: Subject wise Research Methodology will be taught with Respective Papers.

Paper II : Review of Published Research in the relevant field

S. Dinesh
Kotay

Paper III— Computer Applications

Introduction

What is Computer?, Computer Block Diagram, Generations, Languages, Characteristics of a Computer, Benefits, Types of a Computer, Configuration of a Computer System, Hardware & Software, Operating System & its Functions, Input Devices, Out Put Devices, Memory, Number System, Binary, Decimal, Octal, Hexadecimal, Compiler, Interpreter, Introduction of Computer Networks, Network Models, Introduction of Database, Role of Computer in Social Science Research & Word Processor.

MS-Word

Basics:- New, Open Save, Save As, Cut, Copy, interface, Paste, Paste Special, Format Printer Operations, Style, Size, Font, Subscript, Superscript.

Insert:-Hyperlink, Header, Footer, Page Number, Table, Chart.

Page Layout:-Page Setup, Margins, Orientation, Watermark, Indent, Spacing.

References:-Footnote, Endnote, Citations & Bibliography, Captions.

Mailings:-Mail Merge, Review:-Spelling & Grammar, Thesaurus, Comment, Compare, Protect Document, View:-Document Views, Show/Hide, Zoom, Windows

MS-Excel

Basic:- Cell, Worksheet, Workbook, interface, spreadsheet, rearranging workbook, New, open, save, save As, Cut, Copy, Paste, Paste Special, Size Font, Find, Replace, page Setup, page security, Printing options, Page setting, Orientation, Size Wrap text, Merging of cells and columns, sorting, formulas, filtering, tables, charts, working with functions.

MS PowerPoint

Basic:- New, open, save save As, Cut Copy, interface, Paste, Paste Special, Size, Font, Numbering & Bullets, Margin, Find, Replace, Slides, Slides Layout, Designs, Slide Setup Animation: - Different types of animations apply on the Slides, text, objects, Different custom animations, Entrance, Emphasis, exit, motion path. Set Slides Navigations on mouse click, automatic, manual.

Slide Show: - Slide show, Custom Slide show, Slide sorter.

SPSS

SPSS Introduction, Windows:-Data Editor, Output Viewer, Syntax Editor, Script Window, Method of Preparing Data Sheet and Entering Data, SPSS Importance in Research.

Internet & ICT

Introduction: - Browsers, WWW, Mail accessing and sending mail along with attachments, Mailing interface.

Utility: - Browsing, URL searching, downloading & uploading from/to sites, Domain Name Systems, Search Engine.

Introduction to ICT, ICT infrastructure, Applications of ICT in various countries, Service Providers of ICT

S. Dhir
V. K. Patel

Paper IV Advance Paper Home Science

Unit – I

- Indicators and assessment of emotional, social and Intellectual Development.
- Tools and Techniques for assessment of personality types.
- Problems of Adolescence and their assessment.

Unit – II

- Study of Advanced Building material in House construction.
- New tools & techniques in Interior Decoration and soft furnishing.
- Eco friendly house – furniture and furnishings
- Smart Home Technology

Unit – III

- Health and Nutritional Assessments- Advance techniques for the assessment of health and nutritional status in human subjects- Anthropometrical, biochemical, clivical and dietary markers of nutritional disorders and diseases like CVD, Diabetes, kidney disorders, GIT Disorders, Malnutrition and deficiency diseases.
- National and International suggested guidelines and cut-offs for the assessment of nutrition related diseases and disorders.
- Therapeutic Diets- DASH, ATKIN Mediterranean cardiac diet.
- Functional foods and phytochemicals.

S. Dixit
M. Raturi