SANT GADGE BABA AMRAVATI UNIVERSITY GAZETTE

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PART- TWO

Thursday, the 5th March, 2020

NOTIFICATION

No. : 31/2020 Date : 5/3/2020

Subjec: Implementation of the Syllabi of M.Phil. Courses (One Year) Full Time Degree Course) as per Semester and Credit Grade System in the Faculty of Inter-disciplinary Studies from the Session 2019-2020 and Onwards.

It is notified for general information of all concerned that, the authorities of the University have accepted & approved the syllabi of M.Phil. Semester I & II as per Semester & Credit Grade System mentioned in column No.2 and which is to be implemented from the session 2019-2020 and onwards, with appendix as shown in column No.3 of the following table.

It is further notified that the Scheme of Teaching and Examinations, Provisions and others details shall be as per the Direction Nos. 22 of 2019 & 53 of 2019.

TABLE

Sr.No.	Course / Subjects	Appendices of the New Syllabi
1.	2.	3.
01.	**M.Phil. Semester- I & II** M.Phil. (Home Science)	The Syllabi prescribed for the subject M.Phil. (Home Science) which is appended herewith as- **Appendix-A**

Sd/-
(Dr.Tushar Deshmukh)
Registrar
Sant Gadge Baba Amravati University

Appendix-A

Syllabus Prescribed for
Master of Philosophy
Semester - I
Paper-I Research Methodology

Theory: 6 P/W (6 Credits)

Theory Paper : 80
Internal: 20
Total Marks: 100

Learning Objectives:

- To understand the sources of knowledge
- To understand the concept of scientific method
- To understand method and types of research
- To identify research problem along with its specification in terms of objectives, hypothesis, definitions, variables and delimitations
- To enable them to analyze the data quantatively and qualitatively and to draw valid conclusions
- To understand descriptive and inference statistics in research
- To understand competencies in research reporting
- To understand ethics of qualitative research and quality of researcher
- To understand formation of research proposal

Course Outcomes:

At the completion of the course Students will be enable to.

1. Understand concept and nature of research.
2. Write appropriate review of litrature
3. Formulate research problem.
4. Comprehend qualitative and quantitative research methods.
5. Know sampling techniques and select representative somple
6. Prepore and use tools and techniques of data collection.
7. Use decriptive and inferential statistics.
8. Application of computers for data analysis.
9. Apply ethics of resarch.
10. Prepare scientific research report.

Unit 1 - Introduction of Research

1.1 Sources of knowledge: Inductive, Deductive, and Scientific Method.
1.2 Research: Nature, characteristics, thirust area, and need
1.3 Qualitative and quantitative research: Concept and nature
1.4 Interdisciplinary research: Concept and nature
1.5 Review of the literature: Concept, purpose, need, importance and source, writing literature review
1.6 Research problem: Meaning, types, sources, importance, criteria for selecting research problem, and evaluation of research problem.

Unit-2 Research Methods and Types

2.1 Types of research: Basic, Applied and Action Research
2.2 Methods of research: Historical, Descriptive and Experimental.
2.3 Qualitative Research: Case Study, Ethnography and Phenomenology.
2.4 Experimental Research Design: single-group pre-test post-test design, pre-test post-test control-group design, post-test only control group design and factorial design.
2.5 Internal and external validity of results in experimental research.

Unit- 3 Sampling, Tools and Technique in Research

3.1 Concept of population, sample, characteristics of good sample and size& errors of the samples.
3.2 Techniques of sampling: Probable and Non-probable Sampling
3.3 Tools and Techniques: Concept and characteristics of good tools& techniques of data collection
3.4 Tools and Techniques: Interview; observation, socio metric, questionnaire, knowledge test, attitude scales-Thustonôs & Likertôs technique, and rating Scale.
3.5 Standardization of various tools and techniques, Calculation of Reliability and validity of tools.
3.6 Factor analysis

Unit-4 Descriptive and Inferential Statistics

4.1 Meaning of descriptive statistics
4.2 Measures of central tendencies and variability.
4.3 Percentiles and Percentile Ranks.
4.4 Correlations: Concept, Rank difference method, product moment method.
4.5 Meaning of Inferential statistics
4.6 Standard error of mean, Degree of freedom, Levels of confidence & confidence internals,
4.7 Parametric and Non-parametric tests. Correlation and regression analysis

Unit- 5 Evaluation of Qualitative Research Report

5.1 Evaluation of research report: Norms, format, language and technical rules
5.2 Use of Computer for data analysis- Knowledge of different types of software for statistical analysis: SPSS and EXCEL
5.3 Bibliography, Referencing, American Psychological Association Style (APA Style) and Appendix
5.4 Ethics of qualitative research and quality of researcher.
5.5 Develop Research proposal: Concept, need, importance and types

References

- Best, J.W., & Kahn, J.V. (2009).*Research in Education.* New Delhi: Prentice Hall of India Pvt. Ltd.
- Bogdan, R., & Taylor, S.L. (1975).*Introduction to qualitative Research Methods.* New Delhi: John wiley and sons.
- Creswell, J.W. (2011). *Educational Research : Planning, conducting, and Evaluating, Quantitative and Qualitative Research*. New Delhi : PHI learning Pvt. Ltd.
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- Graziano, M., and Raulin, M. (1980).*Research Methods, A process of Inquiry.* New York: Harper and Row.
- Gulhane, G.L. (2012). Research and Statistics, Merut: Anu Publications.
- Keeves, J. P. (Ed.) (1990).*Educational Research Methodology and Measurement: An international Handbook.*New York: Pargamon Press.
- Kothari C. R.(2008) Research Methodology Methods and Techniques, New Age International Publishers, New Delhi
- P. O. Ingale (2005) Scientific Report Writing
- Kerlinger, F.N. (1967). *Foundations of Behavioural Research, Education and Psychological Inquiry. New* York: Richard and Winston.
- Lovell, K., and Lawson, K.S. (1970).*Understanding Research in Education.*London : University of London.
- Mouly, G.T.(1963).*The Science of Educational Research.* New Delhi: Eurasia Publishing House.

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(M.Phil.) Semester - I
Paper II
Recent Trends in Home Science

Theory: 6 P/W (6 Credits)

Theory:80
Internal:20
Total Marks:100

Learning Objectives

- To create awareness regarding current trends, issues and researches related to various aspects in Home Science
- To sensitise students regarding emerging areas of studies and research needs for Communication and Extension
- To understand the basic research in the field of Community Nutrition,Dietetics,Food Science and Technology
- To understand the importance of new issues and vulnerable areas in human development and the role of advocacy in promoting issues and concerns related to Human Development
- To create awareness regarding current trends, issues and research in various aspects of Resource Management
- To understand and gain knowledge regarding research and development in Textiles and Apparels

Course Outcome

At the end of course, students will be able to:

1. Acquaint with emerging areas of studies and research need for Communication and Extension.
2. Identify and create awareness about the recent trends in branches of Food Science & Nutrition.
3. To understand the importance of new programmes and innovative styles to overcome the contemporary issues in the areas of Human Development.
4. Acquaint with emerging areas of research and contemporary issues in Resource Management.
5. Design, develop and cater the needs of textile industry in terms of eco- environment and needs of the global consumer.

Unit 1:Recent Trends in Communication and Extension

1.1 Current communication media and cyber extension.
1.2 Current methodologies in communication and extension.
1.3 Current evaluation techniques in communication and extension.
1.4 Holistic approaches for development.
1.5 Thrust areas of research in communication and extension.

Unit 2: Recent Trends in Food Science and Nutrition

2.1 Recent research regarding Community Nutrition, Dietetics & Food Science and Technology.
2.2 Current problems in community nutrition.
2.2.1 The problems of malnutrition.
2.2.2 National and International ongoing programmes in combating malnutrition.
2.3 Current problems in Dietetics
2.3.1 Problems and remedies for metabolic disorders and non communicable diseases.
2.4 Current problems and challenges in Food Science and Technology.
2.5 Study, enlisting and identification of authentic Journals National and International (10 each) related to Food Science and Nutrition.

Unit 3: Current Trends & Issues in Human Development

3.1 Trends & issues related to processes of development in Perceptual, Cognitive, Socio ï emotional &Language developments.
3.2 Theoretical Perspectives of Human Development.
3.3 Issues & Concerns related to Early Childhood Care & Education (ECCE) ï Current Researches & Polices in ECCE & role of parents & community.
3.4 Basic characteristics of psychological test standardization & estimation of reliability & validity.

Unit 4: Recent Trends in Resource Management

4.1 Recent trends and issues of material and non material resources.
4.2 Recent trends in entrepreneurial opportunities in resource management.
4.3 Sustainable technologies for family and community.
4.4 Need of research in resource management.

Unit 5: Recent Trends in Textile and Apparels

5.1Trends in textile designing.
5.2Trends in fashion and apparel designing.
5.3Current trends in textile industry Marketing, Eco parameters.
5.4Traditional textiles and *khadi*industry : Need, importance, research and development.

References:

1. The Indian Journal of Home Science.
2. The Journal of Home and Community Science (Kamla Raj NewDelhi).
3. Journal of Extension, Accessible on http://www.joe.org
4. The Journal of Communication and Media Studies.
5. Journal of Media Research.
6. Journals ï Business India, Business today.
7. ICMR (1990) : Nutritional Requirement and Recommended Dietary Allowances for Indians, NIN, Hyderabad.
8. Update Series : Nutrition in Disease Management, Centre for Research on Nutrition Support Systems, Nutrition Foundation of India, New Delhi.
9. Journal of Nutrition and Dietetics.
10. Trends in Food Science and Technology.
11. Lara Berk, Human Development.
12. Kuppuswamy B. Child Behaviour and Development.
13. Sustainable Materials and Technologies.
14. Sustainability
15. Trends in Textile Engineering and Fashion Technology.
16. Journal of Textile Association.
17. News Papers ï Economics Times, Financial Experts and Apparel on line.

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M. Phil. Semester-I
PAPER – III

Applications of Information and Communication Technology I.C.T.

Applications of Information and Communication Technology (I.C.T) In The Relevant Field

Course Objectives :

1. To understand basic functioning of Introduction Communication Technology.
2. To understand the tools of Information and Communication Technology.
3. To understand basic concepts of Networks and Network Security.

Course Outcomes :

At the end of course, students will be able to :

1. Identify various components of a computer system.
2. Describe the main functions of a operating system (OS) and explain the history leading to their current form
3. Create, edit, save, format and print documents to include documents with lists and tables and with other applications related to processing
4. Create and format spreadsheets and presentation tools with adding multimedia and other operations related to it.
5. Use various web tools including Web Browsers, E-mail clients, search utilities and also understand its security related features.

Syllabus :

Unit I Computer and its Components :

Introduction, Hardware and Software, Computers Characteristics, Generations of Computers, Types of computers: Supercomputers, Mainframes, Personal computers, Note book computers, Categories of Computers, Applications of Computers, Input Ÿ Process Ÿ Output (IPO), Computer Ports & Cables, Number System.

Unit II Operating System: Introduction :

Definition of Operating Systems, Operating System Functions, Operating System Concerns, Operating System Types, Algorithm, Flowchart, Installing Windows, Basic Operations in Windows, Interface, Introduction to Windows File System, Storing and Managing Data, Windows User Accounts, System Settings, Adjusting the Computers Settings, Introduction to Hadoop.

Unit III Word Processing Software :

Introduction to MS Office, Word Processing with MS-Word: basic operations- Editing, Proofing, and Formatting text, paragraphs and pages, working with tables and images, Mail merge, working with Charts, Equations, and Symbols.

Unit IV MS Excel & Presentation Software :

Introduction to MS Excel and its User Interface, Working with workbooks & work sheets, Data Entry techniques, Table, Setting, Print related operations, Performing Calculations on Data: Working with Excel Formulas, Functions and Charts, Sorting/ Filtering data. MS PowerPoint: Presentation Basics, Adding more components to the slides, Formatting Presentations, backgrounds and layout, Applying Themes, Using Slide Master, Working with Multimedia, Printing slides and Delivering Presentations. Introduction to R tool.

Unit V Introduction to Network & Network Security :

The Internet: An introduction, Meaning and benefits of the Internet, The history of the Internet, Differences between Internet and World Wide Web, Connecting to the Internet, Web Browsers, User Interfaces of Web Browsers, Browser Customization, Search Engines, E-mails. Network Security: Introduction, Basic Terminology, Attacks, Cyber Crimes.

References Books :

1. Leon. A & Leon.M, ñFundamentals of Information Technology: Second Editionò, Vikas Publishing.
2 Williams Sawyer, ñUsing Information Technology: A Practical Introduction to Computer & Communicationsò 6th International Edition, McGraw Hill.

Online Links :

1.ebooks.lpude.in/library_and_info_sciences/BLIS/year_1/DLIS108_INFORMATION_AND_COMMUNICATION_TECHNOLOGY_APPLICATIONS.pdf
2. https://www.itu.int/en/ITU-D/ICT-Applications/Pages/default.aspx

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M.Phil. Semester - I
Paper-IV

Review of Literature / Field Work

Review of Literature and/or Field Work :80 Marks
Internal Assessment :20 Marks

Students shall undertake the Review of Literature and/or Field Work as prescribed by the RAC under the guidance of the supervisor. The supervisor shall evaluate the same and submit the marks / credit to the University through Research Centre.

The Norms Relating to Internal Assessment in each Paper shall be as under :-

1)	Home Assignment	- 05 Marks
2)	Seminar	- 05 Marks
3)	Group Discussion	- 05 Marks
4)	Library Work/Analysis of Research Papers	- 05 Marks

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M.Phil. Semester-II

Dissertation

S.N.	Name of Paper	Credits	Examination Scheme			Min.Passing Marks
			Dissertation	Internal Assessment	Total Marks	
1	Dissertation	24	400	--	400	200

The Distribution of Marks as per Different Assessment Parameters shall be as under :-

1) Seminar on review of Literature - 50
2) Synopsis of Dissertation - 25
3) Representation &Predefence of draft Dissertation - 75
4) Evaluation of Dissertation - 200
5) Viva-Voce - 50

Securing at least 50% Marks in each Assessment Parameter shall be Mandatory.

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