M.Phil. Library & Information Science [FT / PT] Programme

(For the candidates to be admitted from the academic year 2009-2010 onwards)

Semester I	Title of the Course	Marks			Credits
		IA	UE	Total	
Course -I	Research Methodology	40	60	100	4
Course - II	Digital Libraries & web Technologies	40	60	100	4
Course- III	Paper on Topic of Research (Guide will prepare the syllabus and it will be sent to the COE)	40	60	100	4
Course – IV	Teaching and Learning skills (Common Paper)	40	60	100	4
Semester II					
	Dissertation and Viva-Voce Viva Voce 50 marks Dissertation 150 marks			200	8

For each Course other than the Dissertation

Continuous Internal Assessment	–	40 Marks
End Semester Examination	–	60 Marks
Total	–	100 Marks

Question paper pattern for Course I - III

10 questions compulsory	10 x 01 = 10	Marks (2 from each unit)
5 questions	05 x 04 = 20	Marks (either or type, one from each unit)
3 questions from 5	03 x 10 = 30	Marks (one question from each unit)
Total	60 Marks	

Question paper pattern for Course IV

5 Questions   05 x 12 = 60 Marks (either or type, one from each unit)

CIA components

Tests	(2x10) -	20	Marks
Term Paper	–	10	Marks
Seminar	-	10	Marks

Semester I
Course I -Research Methodology

Unit – I

Research : Concept, Purpose, Significance, Types - Identification and Formulation of Research Problems - Research Design.

Unit – II

Hypothesis: Definition, Need, Purpose, Types and Techniques

Unit – III

Data Collection Tools: Sampling Techniques, Questionnaire, Interview and Observation

Unit – IV

Data Analysis: Statistical Techniques – Quantitative and Qualitative; Correlation and Regression Analysis, Correspondence; Multi Dimensional Scale / Cluster Analysis, Content Analysis, Delphi, and OR Techniques; Statistical Packages for Social Sciences (SPSS)

Unit – V

Report Writing: Components, Preparation, Style Manuals: MLA, Chicago, APA

Suggested Readings:

1. Auger, Current trends in scientific research. UNESCO, Paris, 1961.

2. Bhandarkar. P.L & Wilkinson. T. S. Methodology & techniques of Social research Ed.9 Himalaya. Bombay, 1992

3. Bundy.M.L & Wasserman.P. Reader in research methods in librarianship; techniques and interpretation: academic, New York, .1970.

4. Busha, Charles, H. and Harter, Stephen, S. Research Methods in Librarianship. Techiques and Interpretation. Orlando, Academic press, 1980.

5. Chapin.F.S(1974): Experimental designs in sociological research Rev Ed. Greenwood Press, Westport.

6. Charles, H. et.al. Research Methods in Librarianship: Techniques and Interpretations. New Delhi, Sage, 1993.

7. Downs,R.B & Down,E. How to do library research university of Illinois press, Urbana, 1966.

8. Fowler, F.J. Survey Research Methods. New Delhi, Sage, 1993

9. Goode.W.J & Hatt.P.K. Method of Social Research. McGraw Hill. Auckland, 1989

10. Gopal.M.H. An introduction to research procedudre in social sciences. Asia, Bombay, 1990.

11. Kothari.C.R.. Research methodology: Ed2 Wishwa. New Delhi, 1990.

12. Krishna Kumar: Research methods in library in social science. Vikas, New Delhi, 1992

13. Krishna Swamy, O.R. Methodology of research in social sciences. Himalaya, Bombay, 1993

14. Line,Maurice.B. Library surveys; An introduction to the use, planning procedure and presentation of survey. Ed2 Clive Bingley, London, 1982:.

15. Ravichandra Roa, I.K. Quantitative methods in library and information science, Wiley Eastern. New Delhi, 1988.

16. Slatter,Margaret, Ed. Research ,methods in library and information science. London, L.A, 1990.

17. Stevens, Rolland.E. Research methods in librarianship, Clive Bingley, London, 1971.

18. Tabuer, M.F and Stephens, I.R. Ed. Library surveys. Columbia University Press, New York, 1968.

19. Wilson, E.S. Introduction to scientific research McGraw Hill, New Delhi, 1952.

20. Young,P.V.Scientific social surveys and research. Ed4. Prentice Hall of India, New Delhi, 1982

21. Sinha, S.C & Dhiman, A.K. Research Methodology, Ess Ess Publications, New Delhi, 2002

Course II - DIGITAL LIBRARIES & WEB TECHNOLOGIES

Unit - **I**
Digital Libraries: Concept, Objectives, Features, File formats; and Current trends.

Unit - II
Digital Library and Institutional Repository Softwares: DSpace, E-prints and GSDL.

Unit - III
Content Management : e-Resources, Consortia; Meta Data: Concepts, Standards-MARC21, Dublin Core; Content Management System: Joomla, Drupal, Moodle.

Unit - IV
Web Technology: Concepts and Tools, Web Browsers, Markup Languages, Web 2.0 & 3.0, Library 2.0 and Librarian 2.0, E-Learning 2.0.

Unit - V
Design and Development of Web sites, Web logs, RSS Feeds, Portals and Subject Gateways.

Suggested Readings:

1. Jana Smith Ronan (2003), " *Chat Reference: A guide to Live Virtual Reference Services*", Rain Tree Publishing, pp.1-225.

2. Patricia Ingersoll and John Culshaw (2004), "*Managing Information Technology: A handbook for systems Librarians*", Rain Tree Publishing, pp. 1-199.

3. Ram Shobhit Singh (2008), "*Encyclopaedia of Library Information Systems and E-Journal Archiving*", Anmol Publications, pp. 1-269.

4. Jana Smith Ronan (2003), " *Chat Reference: A guide to Live Virtual Reference Services*", Rain Tree Publishing, pp.1-225.

5. Patricia Ingersoll and John Culshaw (2004), "*Managing Information Technology: A handbook for systems Librarians*", Rain Tree Publishing, pp. 1-199.

6. Ram Shobhit Singh (2008), "*Encyclopaedia of Library Information Systems and E-Journal Archiving*", Anmol Publications, pp. 1-269.

1. . http://www.greenstone.org/
2. . http://www.dspace.org/
3.. http://epress.lib.uh.edu/pr/v8/n3/smit8n3.html
4. . http://www.eprints.org/
5. . http://moodle.org

6. . http://joomla.org
7. . http://drupal.org
8. . http://scigate.ncsi.iisc.ernet.in/raja/
9. . http://www.vidyanidhi.org.in/'
10.. http://www.20search.com/
11. http://en.wikipedia.org/wiki/Web_2.0
12. http://www.oreillynet.com
13. http://en.wikipedia.org/wiki/Web_3.0
14.. http://en.wikipedia.org/wiki/Main_Page
15.. http://www.lib.berkeley.edu/TeachingLib/Guides/Internet/InvisibleWeb.html
16.. http://websearch.about.com

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COURSE –IV – TEACHING AND LEARNING SKILLS

Objectives:

⯈ acquaint different parts of computer system and their functions

⯈ understand the operations and use of computers and common Accessories

⯈ develop skills of ICT and apply them in teaching learning context and Research

⯈ appreciate the role of ICT in teaching, learning and Research

⯈ acquire the knowledge of communication skill with special reference to its elements, types, development and styles

⯈ understand the terms communication Technology and Computer mediated teaching and develop multimedia / e-content in their respective subject

⯈ understand the communication process through the web

⯈ acquire the knowledge of Instructional Technology and its Applications

⯈ develop different teaching skills for putting the content across to targeted audience

Unit I – Computer Application Skills

Computer system: Characteristics, Parts and their functions – Different generations of Computer – Operation of Computer: switching on / off / restart, Mouse control, Use of key board and some functions of key – Information and Communication Technology (ICT): Definition, Meaning, Features, Trends – Integration of ICT in teaching and learning – ICT applications: Using word processors, spread sheets, Power point slides in the classroom – ICT for Research: On-line journals, e-books, Courseware, Tutorials, Technical reports, Theses and Dissertations

Unit II – Communication Skills

Communication: Definitions – Elements of Communication: Sender, Message, Channel, Receiver, Feedback and Noise – Types of Communication: Spoken and written; Non-verbal communication – Intrapersonal, Interpersonal, Group and Mass communication – Barriers to communication: Mechanical, Physical, Linguistic & Cultural – Skills of communication: Listening, Speaking, Reading and writing – Methods of developing fluency in oral and written communication – style, Diction and Vocabulary – Classroom communication and dynamics

Unit III – Communication Technology

Communication Technology: Bases, Trends and Developments – Skills of using Communication Technology – Computer Mediated Teaching: Multimedia, E-content – Satellite-based communication: EDUSAT and ETV channels, Communication through web: Audio and Video applications on the Internet, interpersonal communication through the web.

Unit IV – Pedagogy

Instructional Technology: Definition, Objectives and Types – Difference between Teaching and Instruction – Lecture Technique: Steps, Planning of a Lecture, Delivery of a lecture – Narration in tune with the nature of different disciplines – Lecture with power point presentation – Versatility of lecture technique – Demonstration, Characteristics, Principles, Planning Implementation and Evaluation – Teaching – Learning Techniques: Team Teaching, Group discussion, Seminar, Workshop, Symposium and Panel Discussion – Models of teaching: CAI, CMI and WBI

Unit V – Teaching Skills

Teaching skill: Definition, Meaning and Nature – Types of Teaching skills: Skill of Set Induction, Skill of Stimulus Variation, Skill of Explaining, Skill of Probing Questions, Skill of Black Board writing and Skill of Closure – Integration of Teaching Skills – Evaluation of Teaching Skills

References:

1. Bela Rani Sharma (2007), Curriculum Reforms and Teaching Methods, Sarup and sons, New Delhi

2. Don Skinner (2005), Teacher Training, Edinburgh University Press Ltd., Edinburgh

3. Information and Communication Technology in Education: A Curriculum for Schools and programme of Teacher development, Jonathan Anderson and Tom Van Weart, UNESCO, 2002

4. Kumar K.I (2008) Educational Technology, New Age International Publishers, New Delhi

5. Mangal, S.K. (2002) Essential of Teaching – Learning and Information Technology, Tandon Publications, Ludhiana

6. Michael D. and William (2000), Integrating Technology into Teaching and Learning: Concepts and Applications, Prentice Hall, New York

7. Pandey S.K. (2005) Teaching Communication, Commonwealth Publishers, New Delhi

8. Ram Babu A. and Dandapani S (2006) Microteaching (Vol.1&2) Neelakamal Publications, Hyderabad

9. Singh V.K. and Sudarshan K.N. (1996) Computer Education, Discovery Publishing Company, New York

10. Sharma R. A. (2006) Fundamentals of Educational Technology, Surya Publications, Meerut

11. Vanaja. M. and Rajasekar S. (2006) Computer Education, Neelkamal Publications, Hyderabad.

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