Pre – Ph.D. Syllabus

Paper –I : Research Methodology

Unit-1:

Research:
Definition, need and purpose, Basic concepts: Validity, reliability, Objectivity, Subjectivity Variables: Dependent, Independent and Intervening. Ligic: Induction and Deduction. Istitution Scientific method. Trends in LIS Research.

Unit-2:

Research Design:
Aims and objectives,. Scope and limitations. Problem identification, formulation and statement of the problem.
Hypothesis:
Definition, formulation. Verification.

Unit-3:

Methods of Research:
Survey, descriptive, comparative, historical, experimental, case study and Delphi technique.
Methods of data collection:
Questionnarie, Interview and Observation.
Scales and Check Lists-Sampling methods and techniques.

Unit-4:

Methods and Tools of Data Analysis:
Descriptive Statistics – Inferential Statistics.
Writing research report:
Structure & Contents of report, presentation of findings – Graphical Presentation of data Style Sheets. Citation of Print. Electronic and Internet sources.
Statistical Packages – SPSS

Paper -2 (B) : Scientific & Technical Libraries

1. Scientific & Technical Libraries (Special libraries): Definition, Objectives. Functions and Services. Development of Special libraries in India. Organizaion and Management of special libraries. Evaluation of library services and procedures. HR Planning & performance.

2. Documentation centers, Information centers, Information Analysis / Evaluation Centers, Referral Centers. Data Centers. Information Systems – NISSAT, NISCAIR,DESIDOC, NASSDOC, CORD. SENDOC. National Agricultural Library, National Medical Library, National Science Library of India their functions and services.

3. Information Communication Methods. IPR. Right to Information Act. Marketing of Information Digital Libraries: Strategies for development of Digital Libraries. Internet Information Resources and Services. Search & Retrieval Methods. Open Access Resources and their access.

4. Software : Open source and proprietary software. Digital Library Software (D-space) Digitization Process. Standards and formats. Subjcet Gateways. Blogs. Web directions.
   Information Storage & Retrieval
   Content creation and analysis
   Metadata. OAI-PMH

---*---