

ELECTIVE INTERDISCIPLINARY COURSES: Any One Course from the available Electives

Paper – M-111 (b) - PRINT AND ELECTRONIC SOURCES AND LITERATURE IN NATURAL SCIENCES

UNIT – I: Historical Development

[Click Title for Old Question Papers.](#)

Scope of the Discipline and its Development

Research Trends in Natural Sciences: Physical and Biological Sciences

UNIT – II: User Studies and Information Seeking Behaviour

Information Needs of Users

Information Seeking Behaviour

User Studies: Importance, Objectives and Types

Planning User Survey

Methods of User Service

UNIT – III: Information Sources and Evaluation

Primary, Secondary and Tertiary Sources

Evaluation of Secondary Sources: Print and Electronic Resources

UNIT – IV: Databases and Internet Services

Networked and Distributed Databases

Consortia and Subject Gateways

Internet Resources and Services

UNIT – V: Role of Contributors and Institutions

Activities of Research Institutions and Professional Organisations in the Growth and Development of Natural Sciences with Particular Reference to India, UK and USA

Contributions made by the Prominent Natural Scientists in the field of Physical and Biological Sciences

Recommended Books

1. **AMERICAN CHEMICAL SOCIETY**. Searching the chemical literature. 1979. American Chemical Society, Washington.
2. **BERNAL (J D)**. Social function of science. 1964. MIT Press, Cambridge.
3. **BROWN (C H)**. Scientific serials. 1956. Association of College and Research Libraries, Chicago.
4. **DAMPIER (William Cecil)**. History of science and its relations with philosophy and religion. 1961. Cambridge University Press, London .
5. **GROGAN (Denis)**. Science and technology: introduction to the literature. Ed. 4. 1982. Clive Bingley, London.
6. **MOSER (Diane K) and SPANGENBUR (G)**. The history of science. 1994. University Press, New Delhi.
7. **SPANGENBURG (R) and MOSER (D K)**. The History of science in the 19th century. 1994. University Press, Hyderabad.
8. **WELFORD'S GUIDE TO REFERENCE MATERIAL: Vol.1. Ed.8. 1999. Library Association, London.**