## **SYLLABUS**

Of

## INFORMATION SCIENCE

(B.Lib.I.Sc.)

## DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE

# NEHRU GRAM BHARATI VISHWAVIDYALAYA JAMUNIPUR, KOTWA- DUBAWAL, ALLAHABAD (U.P.)

## Bachelor of Library and Information Science (B. Lib. I. Sc.)

The Bachelor of Library and Information Science (B. Lib.I.Sc.) Programme was started by NGBV in 2009 in response to the demand for large number of trained human power in the field of Library and Information Science. Such Human power are required to occupy various positions in Libraries , Documentation and Information Centrers /Institutions in the country at various lables for instence, Professionally trained human power at different levles is ncessary to manage libraries in schools, colleges , universities , government departments, commercieals and Industrials establishments , scientific research institutions, public libraries etc. set up by central , state government and local bodies.

#### **Duration of the course:**

The Bachelor of Library and Information Science course shall comprise of study spread over a period of two semesters in one year duration. The candidates will be full time students of the course.

#### **Eligibility:**

Candidates seeking admission to the course shall satisfy the following conditions:

(i) They must posses the Graduate with any displine

- (ii) Candidate must bear good moral charactert and must attach a certificate from the head of the department or institions along with the application.
- (iii) Candidates must fulfill other conditions as may be prescribed by the Admission Committee from time to time.

#### **Admission Procedure**

The admission to the course shall be through Entrance examination as prescribed/decided by the university from time to time.

#### **Number of Seats:**

The total numbers of seats for B.Lib.I.Sc. are 60. The Reservation of seats shall be made as per U.P. Government / University rules.

#### **Fees Structure:**

The tentative fee structure for the course under self financing scheme is Rs. 5000 per semester. The fees structure is subject to change by the University from time to time. Students are required to pay examination fee, enrolment fee, it fee and other miscellaneous fee in addition to the above as and when required.

#### <u>Curriculum</u>

Candidate for the Bachelor Degree in Library and Information Science Programme shall be examined in nine papers, which seven papers are devoated to provide theoritical aspects, while two papers are designed to impart practial skills in classification and cataloguing. In addtion, a compulsory pracatical component has been intruduced in papers Nine (9): Information Technology: Basic and Practical Knowledge Theoretical and practical papers carrying 100 marks each (i.e. 20 marks for sessional work and 80 marks for term end written examination) details of the papers to be taught during the one year period in two semesters are here under.:

### The details of course of study, Credits and Syllabus are as follow.

#### **FIRST SEMSETER (July-December)**

Paper	Subject	Credit
I	पुस्तकालय एवं समाज	06
	(Library and Society)	
II	पुस्तकालय प्रबन्धन	06
	(Library Management)	
III	पुस्तकालय वर्गीकरण सिद्धान्त	06
	(Library Classification Theory)	
IV	पुस्तकालय वर्गीकरण प्रायोगिक	06
	(Library Classification Practical)	
Total credit First Semester		

#### **SECOND SEMSETER (Jan-May)**

V	पुस्तकालय प्रसूचीकरण सिद्धान्त	06
	(Library Cataloguing Theory)	
VI	पुस्तकालय प्रसूचीकरण व्यावहारिक	06
	(Library Cataloguing Practical)	
VII	सन्दर्भ एवं सूचना स्रोत	06
	(Reference and Information Sources)	
VIII	सूचना सेवाएँ एवं संगठन	06
	(Information Sercies and Organization)	
XI	सूचना प्रौद्योगिकी : आधारभूत परिचय एवं व्यावहारिक	06
	ज्ञान	
	(Information Technology: Basic and Practical Knowledge)	
Total cr	edit Second Semester	30

#### **Attendance:**

Attendance of every student of the department at every lecture and every practical shall be compulsory. Students who have not put in at least 75% attendance will not be permitted to appear in the examination. Provided that for special reason a shortage in the percentage of attendance not exceeding 15% of the total no. of lectures and practical work done may be condoned as below.

- (i) A shortage upto 5% of the total number of lectures delivered and practical work done may be condoned by the Head of Department for sufficient reasons.
- (ii) A further shortage upto 10% may be condoned by the Vice-Chancellor on the specific recommendation of the Head of the Department.

#### **Discipline:**

Students are expected to abide by rules and regulations and behave in manner befitting an upcoming professional person. Behavior not in keeping with the norms as also flouting of the rules and regulations can lead to removal of the students from the course.

#### **Study Tour:**

Every year the department organizes visits to various types of libraries / documentation centres, local and outside Allahabad in which participation by students shall be compulsory.

#### **Examination:**

- (i) Examination shall be conducted at the end of the session in the theory and practical by the University.
- (ii) Each theory and practical paper will be of 3 hours duratin.
- (iii) Minimum pass marks in the course shall be 50% of the aggregate.

(iv) Division shall be awraded on the basis of the aggregate marks obtained by the students.

First Division 60% and above

Second Division 50% and above, But below 60%

Third Division 36% and above, But below 50%

#### **Scheme of Examination:**

There Shall be the following papers and all are compulsory.

#### FIRST SEMESTER (JULY- DECEMBER)

Paper	Subject	Sessional	Terminal	Total	Duration
I	पुस्तकालय एवं समाज	20	80	100	3 hrs.
	(Library and Society)				
II	पुस्तकालय प्रबन्धन	20	80	100	3 hrs.
	(Library Management)				
III	पुस्तकालय वर्गीकरण सिद्धान्त	20	80	100	3 hrs.
	(Library Classification				
	Theory)				
IV	पुस्तकालय वर्गीकरण प्रायोगिक	20	80	100	3 hrs.
	(Library Classification				
	Practical)				

#### SECOND SEMESTER (JAN.- MAY)

Paper	Subject	Sessional	Terminal	Total	Duration
V	पुस्तकालय प्रसूचीकरण सिद्धान्त	20	80	100	3 hrs.
	(Library Cataloguing				
	Theory)				
VI	पुस्तकालय प्रसूचीकरण	20	80	100	3 hrs.
	व्यावहारिक (Library				
	Cataloguing Practical)				
VII	सन्दर्भ एवं सूचना स्रोत	20	80	100	3 hrs.
	(Reference and Information				

	Sources)				
VIII	सूचना सेवाएँ एवं संगठन	20	80	100	3 hrs.
	(Information Sercies and				
	Organization)				
IX	सूचना प्रौद्योगिकी : आधारभूत	20	80	100	3 hrs.
	परिचय एवं व्यावहारिक ज्ञान				
	(Information Technology:				
	Basic and Practical				
	Knowledge)				

#### प्रथम प्रश्न-पत्र (Paper - Ist)

#### पुस्तकालय एवं समाज

#### (Library and Society)

#### इकाई-प्रथम

#### (Unit - Ist)

- ❖ पुस्तकालय एवं सूचना केन्द्रों का विकास एवं समाज में उनकी भूमिका। (Development of Library and Information Centers their roll in society)
- ❖ पुस्तकालय विज्ञान के पंचसूत्र
  (Five Laws of Library Science)
- ❖ आधुनिक भारत में पुस्तकालयों का विकास (Library development in modern India)

#### इकाई—द्वितीय (Unit-IInd)

- ❖ ब्रिटिश एवं अमेरिकी पुस्तकालयों का विकास (Development of libraries in UK and USA)
- ❖ विभिन्न प्रकार के पुस्तकालय सार्वजनिक पुस्तकालय, शैक्षिक पुस्तकालय, विशिष्ट पुस्तकालय एवं सूचना केन्द्र (Different Types of Libraries - Public Libraries, Academic Libraries, Special Libraries and Information Centres)
- ❖ पुस्तकालय अधिनियम─ आदर्श सार्वजिनक पुस्तकालय अधिनियम, भारतीय राज्यों में पुस्तकालय अधिनियम एवं उनकी विशेषताएँ (Library Legislatation- Model Public Library Acts, Library Legislation in Indian States and Their Features.)

#### इकाई— तृतीय (Unit-IIIrd)

- ❖ उपयोक्ता अध्ययन (User Studeis)
- ❖ उपयोक्ता शिक्षा (User Education)
- संसाधन सहभागिता (Resource Sharing)

#### इकाई— चतुर्थ (Unit-IVth)

- ❖ पुस्तकालयाध्यक्षता एवं उसका व्यावसायिक आचार शास्त्र (Libraianship as a profession and professional ethics)
- ❖ पुस्तकालय संघ (Library Association)
- ❖ प्रोत्साहक संस्थाएँ एवं प्रणालियाँ (Promotional Agencies and Systems)

#### इकाई— पंचम (Unit-Vth)

- व्यावसायिक संघो की भूमिका
   (Role of Professional Associations )
- ❖ पुस्तकालय एवं सूचना सेवा के उन्नयन में संलग्न संगठन एवं संस्थान

(Organisations and Institutions Involved in Development of Library and Information Services.)

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- Verma, L.N. and Agarwal, U.K. (ed.) (1984). Public Library Services in India. Udaipur: Himonshu Publications.
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#### द्वितीय प्रश्न-पत्र (Paper - II<sup>nd</sup>) पुस्तकालय प्रबन्धन (Library Management)

इकाई—प्रथम (Unit - Ist)

- पुस्तकालय प्रबन्धन के सिद्धान्त
   (Principles of Library Management)
- ❖ प्रबन्धन के सामान्य सिद्धान्तों का पुस्तकालय प्रबन्धन में अनुप्रयोग

(General Principles of Management and their application to Library Management)

❖ पुस्तकालय का संगठनात्मक ढाँचा (Library Organisational Structure)

#### इकाई—द्वितीय (Unit-IInd)

- ❖ प्रबन्धन सूचना प्रणाली (Management Information System)
- ❖ सूचना संसाधन एवं प्रबन्धन (Information Resource and Management)
- ❖ सूचना संसाधनः प्रकार, चयन के सिद्धान्त तथा संचार माध्यमों का अध्ययन

(Types of Information Resources, Selection Principles and Communication Media.)

#### इकाई— तृतीय (Unit-IIIrd)

- ❖ पुस्तकालय भवन, उपस्कर एवं अन्य साज─सज्जा (Library Building, Furniture and Other Equipment)
- ❖ पुस्तकालय का उपयोग एवं रख─रखाव (Use and maintenance of the Library)

❖ परिसंचरण कार्य, ग्रन्थ आदान—प्रदान प्रणालियाँ, रख—रखाव एवं संग्रह सत्यापन, जिल्दसाजी एवं परिरक्षण (Circulation Work, Charging - Discharging, maintenance and stock verfication and binding and preservation)

#### इकाई— चतुर्थ (Unit-IVth)

- ❖ मानव संसाधन विकासः अवधारणा एवं रूपरेखा (Human Resource Development : Concept and contours)
- ❖ कार्मिक नियोजन (Personnel Planning)
- ❖ सहभागी प्रबन्धन एवं सम्पूर्ण गुणवत्ता प्रबन्धन (Participative Management and Total Qualty Management (TQM)

- ❖ पुस्तकालय वित्त एवं आय व्ययक, वित्तीय प्रबन्धन के सिद्धान्त (Library Finance and Budget Principal of Financial Management)
- ❖ वित्तीय अनुमान, पुस्तकालय आय व्यय का नियोजन (Financial estimates, planning of library Budget Income and expenditure)
- ❖ बजट निर्धारण मानदण्ड और मानक, वित्तीय नियंत्रण और लेखाकरण (Budget norms and standards, financial control and Accounting)

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#### तृतीय प्रश्न-पत्र (Paper - III<sup>rd</sup>)

#### पुस्तकालय वर्गीकरण सिद्धान्त

#### (Library Classification Theory)

#### इकाई-प्रथम

#### (Unit - Ist)

- ❖ पुस्तकालय वर्गीकरण की आवश्यकता, उद्देश्य एवं कार्य (Purpose and function of library classification)
- ❖ पुस्तकालय वर्गीकरण के सिद्धान्त एवं विकास (Theory and development of library classification)
- ❖ पुस्तकालय वर्गीकरण का विवरणात्मक एवं गत्यात्मक सिद्धान्त

(Descriptive and Dynamic Theory of Library Classification

#### इकाई—द्वितीय (Unit-IInd)

- ❖ अंकन आवश्यकता, उद्देश्य एवं कार्य (Funcation, Purpose and need of Notation)
- ❖ वर्गीकरण पद्धतियों की प्रजातियाँ (Species of classification)
- ❖ विषयों का परिज्ञान (Acquaintance of Subject)

#### इकाई— तृतीय (Unit-IIIrd)

- ❖ पुस्तकालय वर्गीकरण के उपागम

  (Approaches to library classification)
- 💠 पांच मूलभूत श्रेणियाँ

(Five fundamental)

❖ पक्ष विश्लेषण एवं अनुक्रम (Categories, Facet analysis and sequence)

#### इकाई— चतुर्थ (Unit-IVth)

- ❖ दशा सम्बन्ध, सामान्य एकल (Phase relation, common Isolates)
- ❖ पुस्तकालय वर्गीकरण में विधियाँ
  (Devices in Libary Classification)
- ❖ वर्गीकरण की आधुनिक प्रवृत्तियाँ (Current Trends of classification)

- ❖ दशमलव वर्गीकरण कें 19वें(1979), 20वें (1989) एवं 21वें (1996) संस्करणों का तुलनात्मक अध्ययन (Comperative Study of the 19th (1979), 20th (1989) and 21st (1996) Editions of Decimal classification)
- ❖ यूनीवर्सल डेसिमल क्लैसिफिकेशन (यू०डी०सी०) (Universal Decimal Classification (UDC)
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#### चतुर्थ प्रश्न—पत्र (Paper - IV<sup>th</sup>) पुस्तकालय वर्गीकरण प्रायोगिक (Library Classification Practical)

#### इकाई—प्रथम (Unit - Ist)

- ❖ ड्यूई दशमलव वर्गीकरण 19वाँ संस्करण (प्रथम भाग) प्रस्तावना, संरचना, व्यवस्था, परिभाषाएँ, टिप्पणियाँ एवं निर्देश (Dewey Decimal classification 19th Edition (First- Part) Introduction, Structure, Organisation, Definitions, Notes and Instructions)
- तीन सारांश तालिकाओं का परिचय एवं प्रलेख वर्गीकरण के सोपान (Introduction to Three summaries and steps in classifying Documents)

#### इकाई—द्वितीय (Unit-IInd)

- ❖ दशमलव वर्गीकरण 19वाँ संस्करण (द्वितीय भाग) सारणियों एवं अनुसूचियों का अध्ययन (Decimal Classification- 19th Edition (Second Part) Study of Tables and Schedules)
- ❖ सहायक सारिणयों एवं युक्तियों का अध्ययन (Study of Auxiliary Tables and Devics)

#### इकाई— तृतीय (Unit-IIIrd)

- ❖ दशमलव वर्गीकरण ─19वाँ संस्करण (तृतीय─ भाग) सापेक्षिक अनुक्रमणिका और उसका उपयोग (Decimal Classification - 19th Edition (Third- Part) Relative Index and its use)
- ❖ प्रायोगिक वर्गीकरण के चरण (Stpes in Practical classification)

#### इकाई— चतुर्थ (Unit-IVth)

- ❖ द्धिबिन्दु वर्गीकरण (षष्ठम् संस्करण) परिचय, संरचना एवं व्यवस्था
  - (Colon Classification (6th Edition) Introduction, Structure and Organisation)
- ❖ द्विबिन्दु वर्गीकरण में अनुसूचियाँ एवं तकनीकें (Schedules and Techniques in colon classification)
- ❖ द्धिबिन्दु वर्गीकरण के चरण (Steps in colon classification)

- ♣ द्विबिन्दु वर्गीकरण (षष्ठम् संस्करण) पक्ष विश्लेषण एवं संश्लेषण की अभिधारणाओं तथा सिद्धान्तों का अनुप्रयोग (Colon Classfication (6th Edition) Application of Postulates and principles for facet Analysis and synthesis)
- ❖ मानविकी एवं सामाजिक विज्ञान (Humanities and Social Sciences)
- ❖ जीव—विज्ञान भौतिक विज्ञान एवं जेनेरेलिया (Biological- Sciences, Physical Sciences and Generalia)

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#### पंचम प्रश्न—पत्र (Paper - V<sup>th</sup>) पुस्तकालय प्रसूचीकरण सिद्धान्त (Library Cataloguing Theory)

#### इकाई—प्रथम (Unit - Ist)

- ❖ प्रसूचीकरण के उद्देश्य, पिशाषा तथा कार्य (Purpose, Definition and Functions of Catalogue)
- ❖ पुस्तकालय संहिताओं का उद्भव एवं विकास (Origion and Development of Library Catalogue Code)
- ❖ पुस्तकालय प्रसूची के भौतिक एवं आन्तरिक स्वरूप तथा उसके विभिन्न प्रकार (Physical and Inner form of Library Catalogue and Its Different Types)

#### इकाई—द्वितीय (Unit-IInd)

- प्रसूची संलेखों के आकार प्रकार (Format of catalogue Entries)
- ❖ विभिन्न प्रसूची प्रविष्टियों के घटक तत्व (Data Elements in Different Types of Entries.)
- ❖ प्रसूची प्रपत्रों का व्यवस्थापन वर्गीकृत एवं अकरादि क्रम (Filing of Entries : Classified and Alphabetical)

#### इकाई— तृतीय (Unit-IIIrd)

- ❖ केन्द्रीकृत प्रकाशन एवं पूर्व प्रकाशन प्रसूचीकरण (Centralised cataloguing in publication and pre-natal cataloguing)
- ❖ मशीन सूवाच्य प्रसूची (MARC and C.C.F.)

❖ प्रसूचीकरण में शीर्षकों का वरण एवं अनुकल्पन मुद्रणेत्तर पाठ्य सामग्री (Choice Rendering of headings and cataloguing of Nonprint media.)

#### इकाई— चतुर्थ (Unit-IVth)

- ❖ विषय अनुक्रमणीकरण, शब्दावली नियंत्रण तथा प्रसूची में वर्तमान विकास (Subject Indexing, Vocabulary Control and Recent Development in cataloguing)
- ❖ विषय प्रसूचीकरणः समस्याएँ (Subject Cataloguing : Problems)
- ❖ थिसॉरस एवं विषय सूची शब्दावली नियंत्रण (Vocabulary control subject Heading Lists and Thesauri)

- ❖ विषय अनुक्रमणीकरण का स्वरूप एवं प्रविधियाँ (Types and techniques of subject Indexing)
- ❖ पुस्तकालय प्रसूचीकरण की आधुनिक प्रवृतियाँ (Recent Trends in Library cataloguing)

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#### षष्ठम् प्रश्न—पत्र (Paper - VI<sup>th</sup>) पुस्तकालय प्रसूचीकरण व्यावहारिक (Library Cataloguing Practical)

इकाई—प्रथम (Unit - Ist)

- ❖ ए ए सी आर टू (प्रथम—भाग) की संरचना Structure of AACR -2 (Part-I)
- ❖ एकल व्यक्तिगत लेखक (Single Personal Author)
- साझा उत्तरदायित्व एवं संपादकीय निर्देशन में प्रकाशित ग्रंथ
   (Worked produced under the shared Responsibility and Editorial Direction)

#### इकाई—द्वितीय (Unit-IInd)

- ❖ कल्पित (छद्म) लेखक (Pseudonym Authors)
- ❖ बहुखंडिय पुस्तकें (Multi-volume Books)
- ❖ सिमष्ट निकाय (Corporate Bodies)

#### इकाई— तृतीय (Unit-IIIrd)

- ❖ एकरूप आख्या एवं क्रमिक प्रकाशन (Uniform Title and serial publication)
- ❖ अमुद्रित माध्यमों का सूचीकरण (Cataloguing of non print media)

इंकाई— चतुर्थ (Unit-IVth)

❖ क्लेसीफाईड कैटालॉग कोड─ परिचय (Introduction to classified catalogue code)

- ❖ वर्ग सूचक प्रविष्ट एवं संकेतन (Class Index Entry and Tracing)
- ❖ व्यक्तिगत लेखक एवं समष्टिलेखक (Personal Authors and Corporate Authors)

- ❖ बहुखंडीय पुस्तकें (Multi-Volume Books)
- ❖ सिम्मश्र पुस्तकें (composite Books)
- ❖ सामयिक / आवधिक प्रकाशन (Periodical Publication)

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#### सप्तम प्रश्न-पत्र (Paper - VII<sup>th</sup>) संदर्भ एवं सूचना स्रोत (Reference and Information Sources)

#### इकाई—प्रथम (Unit - Ist)

- ❖ संदर्भ स्रोतों का अध्ययन, सूचना अभिगम के उपकरण, ग्रंथ सूचियों के प्रकार (Study of Reference Sources Information Access tools kinds of Bibiliographics)
- ❖ अनुक्रमणीकरण एवं सारकरण पत्रिकाएँ, समीक्षाएँ एवं प्रतिवेदन इत्यादि। (Indexing and Abstracting Periodicals, Reviews and Reports etc.)

#### इकाई—द्वितीय (Unit-IInd)

- संदर्भ स्रोतों की श्रेणियाँ, शब्द कोश, विश्वकोश, अब्दकोश
- Categories of Reference Sources, Dictionaries, Encyclopedias, Year Books)
- ♣ हैण्ड बुक, मानक, पेटेन्ट इत्यादि (Hand books, Standards, patents etc.)

#### इकाई— तृतीय (Unit-IIIrd)

- ❖ संदर्भ स्रोतों की श्रेणियाँ (भाग−2) भौगोलिक स्रोत (Categories of Reference sources (Part-2) Geographical Sources)
- ❖ जीवनचरित स्रोत (Biographical Sources)

इकाई— चतुर्थ (Unit-IVth)

सांख्यिकीय सूचना स्रोत

(Statistical Information Sources)

❖ सामयिक घटनाओं एवं गतिविधियों से सम्बद्ध सूचना स्रोत (Current Affairs and activities Related sources )

- ❖ अप्रलेखीय स्रोत─ मानव संसाधन एवं रेफरल प्रणाली (Non-Documentary sources - Human Resources and Referral Systems)
- ❖ जनसंचार माध्यम एवं संस्थागत सूचना स्रोत (Mass media and institutional information sources.)

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#### अष्ठम् प्रश्न-पत्र (Paper - VIII<sup>TH</sup>) सूचना सेवाएँ एवं संगठन (Information Services and Organization)

इकाई—प्रथम (Unit - Ist)

- सूचना की अवधारणा एवं आवश्यकता (Concept and Need for Information)
- ❖ सूचना सेवाएँ एवं उनके उपयोक्ता (Information services and its users)

#### इकाई—द्वितीय (Unit-IInd)

- ❖ सूचना सेवाओं का संगठन (Organisation of Information Services)
- ❖ सूचना सेवाएँ: एक परिदृश्य (Information services : An Overview.)

#### इकाई— तृतीय (Unit-IIIrd)

- ❖ संदर्भ सेवा का अर्थ एवं परिभाषा (Meaning and Definition of Reference service)
- संदर्भ सेवा की आवश्यकता एवं उद्देश्य
   (Need and Purpose of Reference service)

इकाई— चतुर्थ (Unit-IVth)

- ❖ सामियक जागरूकता सेवाएँ (Current Awareness services)
- ❖ प्रलेख आपूर्ति सेवाएँ (Document Delivery Service)

- ❖ साहित्य खोज सेवा (Literature Search Service)
- ❖ डेटाबेस सेवाएँ (Data Base services)

- McGarry, K. (1981). The changing context of Information: An Introductory Analysis. London: Cl;ive Bingley.
- Vickery, B.C. and Vickery, A. (1987). Information Science Theory and Practice. London: Butterworth. Chapter p. 1-12.
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- Lancaster, F.W. (1977). The measurement and Evaluation of Library Services. Washington, D.C. Information Resources Press.
- Levitan, K.B. (1982). Information Resources or 'Goods' in the Life cycle of Information Production. JASIS. 33(1), 44054.
- Raitt, D.I. (1982). Recent Developments in Telecommunication and their impact on Information Service. ASLIB Proceedings. 34 (1), 54-77.
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- Cleveland, D.B. and A.D. Cleveland (1983). Indexing and Abstracting Services: An Introduction to Indexing and Abstracting. Littleton: Libraries Unlimited. Chapter XII. PP. 158-67.

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- Line, Maurice B, (et al). (1980). National Interlending System: A comparative study of Existing Systems and Possible Models. Paris: UNESCO, General Information Program.
- Mitchell, Jane, (1993). OCLC Interlending and Document copy supply services- A Review of current Developments. Interlending and document supply. 21 (1), 7-12.
- Model Handbook for Interlending and copying (1983). Boston Spa: IFLA office for International Lending and UNESCO.
- Swirer, A.J. (ed). Interlending and document supply. Proceedings of Third International Conference, Budapest, March 1993. Boston spa: IFLA office for International Lending.
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• त्रिपाठी, एस०एम० (1992)/आधुनिक वांम्यात्मक नियंत्रण/अध्याय 261 पृ० 390—991.

#### नवम् प्रश्न-पत्र (Paper - IXth)

सूचना प्रौद्योगिकीः आधारभूत परिचय एवं व्यावहारिक ज्ञान (Information Technology: Basics and Practical Knowledge)

> इकाई—प्रथम (Unit - Ist)

- ❖ सूचना प्रौद्योगिकी अवधारणा एवं भूमिका (Role and Concept of Information Technology)
- ❖ कम्प्यूटर का सामान्य परिचय (General Introduction of Computer)
- ❖ दूरसंचार आवश्यकता एवं उद्श्य (Need and Purpose of Telecommunication)

#### इकाई—द्वितीय (Unit-IInd)

- ❖ सॉफ्टवेयर का उद्भव एवं विकास (Origion and Development of Software)
- सॉफ्टवेयर प्रकार एवं विशेषता (Features and Types of Software)
- ❖ पुस्तकालय सॉफ्वेयर पैकेज, आवश्यकता उद्श्य एवं कार्य (Function Purpose and need of library software Packages)

#### इकाई— तृतीय (Unit-IIIrd)

- भारतीय सॉफ्टवेयर पैकेजों की विशेषताएँ (Features of Indian Software packages)
- ❖ कम्प्यूटरीकृत पुस्तकालयों का प्रबंधन (Management of computerised Libraries)
- ❖ पुस्तकालय नित्य प्रति संक्रियाएँ
  (Library House Keeping Operations)

#### इकाई— चतुर्थ (Unit-IVth)

- ❖ पुस्तकालय प्रबंधन सॉफ्टवेयर पैकेजों का अध्ययनः लिबिसस एवं सोल
  - (Study of Library Management software packages: LIBSYS and SOUL)
- ❖ नेटवर्क एवं उसका वर्गीकरण : अरनेट, निकनेट, जैनेट, ब्लेज, ओ०सी०एल०सी० एवं इनिपलबनेट (Newtwork and its classification: ERNET, NICNET, JANET, BLAISE, OCLC AND INFLIBNET)
- ❖ कम्प्यूटर आधारित सूचना प्रणालियाँ : एक परिचय (A Intruduction to computer Based Information Systems)

- ❖ संसाधन सहभागिता नेटवर्क (Resource sharing Network)
- पुस्तकालय एवं सूचना नेटवर्क (Library and Information Network)
- ❖ इण्टरनेट तथा उनकी सेवाएँ (Internet and its services.)

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