

**Agrawal
Publications**

Igniting Minds!



**मौलाना मजहूरुल हक अरबी व
फारसी विश्वविद्यालय, पटना**
बी.एड. पाठ्यक्रम-प्रथम वर्ष



AGRAWAL PUBLICATIONS®

विषय-सूची

इस पुस्तिका में आपके विश्वविद्यालय का पाठ्यक्रम, पाठ्यक्रमानुसार हिन्दी व अंग्रेजी पुस्तकों की सूची तथा आपके निकटतम पुस्तक विक्रेता की जानकारी संलग्न है।

विशेष सूचना

कृपया उपरोक्त लोगो की पुस्तकें ही खरीदें। बाजार में इससे मिलती-जुलती अन्य पुस्तकों से सावधान रहें। इस पाठ्यक्रम को प्रकाशित करने में प्रकाशक द्वारा पूर्ण सावधानी बरती गई है। कृपया विश्वविद्यालय के पाठ्यक्रम से मिलान कर लें। किसी भी त्रुटि के लिए प्रकाशक जिम्मेदार नहीं है।

सम्पर्क सूचना

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LIST OF BOOKSELLER

S.No	Identity Name	Address	City
1	Bharat Book Depot	Manas Bhawan, Ashok Rajpath, Chauhatta	Patna
2	Bokaro Student Friend (pvt.) Ltd.	Annapurna Complex, Ground Floor, Naya Tola	Patna
3	Hind Book Depot	Gandhi Market, Near B.N. College, Bihar State Co-operative Bank Ltd.	Patna
4	India Book Centre	Ashok Rajpath, Chauhatta	Patna
5	Kumar Book Centre	Opp. Patna College Gate, Ashok Rajpath	Patna
6	Mona Magazine & Book Centre	Opp. Patna College Gate	Patna
7	Niranjan Pustak Sadan	Ashok Rajpath, Chauhatta	Patna
8	Renu Pustak Bhandar	Khazanchi Road	Patna
9	Vinayak Book Distributors	1st Floor, Book Palace Building, Near Popular Nursing Home, Chauhatta, Ashak Rajpath	Patna
10	Book Corner	G.B. Road, Near Kotwali, Gaya	Gaya
11	Deepak Pustak Bhandar	Near Gaya College, Rampur	Gaya
12	Gold Book House	G.B. Road, Near Kotwali Thana	Gaya
13	Jawahar Pustak Bhandar	Shop No.-73, Opp. Thai Mandir	Gaya
14	New Pustak Sadan	Ambedkar Market, Dak Bangalow Road	Gaya
15	Sahitya Sangam	Laheria Tola	Gaya
16	Nageena Pustak Bhandar	Maa Nageena Complex, Kako Road	Jahanabad
17	Kitab Ghar	Pulpar, Bihar Sharif	Nalanda
18	Students Friends	Sogra Market, Garhpar Bihar Sarif	Nalanda
19	Sahitya Sarovar	Old G.T. Road	Aurangabad
20	Kalpana Pustak Bhandar	Bhagat Singh Chowk, Lalbagh	Dharbhanga
21	Mishra Book Depot	Lalbagh, Pani Tanki	Dharbhanga

S.No	Identity Name	Address	City
22	New Kitab Ghar	Sweet Home Chowk, Lehria Sarai	Dharbhanga
23	Book House	Kali Mandir Gate, Vimal Complex, Ganga Sagar Chowk	Madhubani
24	Milan Book Center	Tauhid Market, Station Road Market	Samastipur
25	Kora Kagaz	Dr. Rajendra Prashad Road, Khalifabagh Chowk	Bhagalpur
26	Sanjay Book Store	Dr. R. P. Road, Opp. Anand Press, Khalifabagh Chowk	Bhagalpur
27	Granthalaya	Station Chowk, Sujaganj	Bhagalpur
28	Jain Book Depot	Dharman Chowk	Bhojpur
29	Ankit Magazine Center	Arya Samaj Chowk, Chhatoni, Motihari	East Champaran
30	Mukesh Pustak Bhawan	Beside Nagar Palika Gate, Kacheri Road	Kaimur
31	Pustak Bhandar	Deepak Market, Moti Jheel	Muzaffarpur
32	Rashtriya Pustak Bhandar	Kalyani Chowk, Moti Jheel	Muzaffarpur
33	Mantu Book Centre	Opp. M.D.D.M. College, Mithanpura	Muzaffarpur
34	Gandhi Pustak Sadan	Rajendra Chowk, Hazipur	Vaishali
35	Anita Book Agency	Shanti Nagar, Supriya Road, Bettiah	West Champaran
36	Janta Pustak Bhandar	Deepak Market Moti Jheel	Muzaffarpur



FIRST YEAR

Course No.	Course Name	Credit	Theory	Practicum*	Full Marks
1	Childhood and Growing Up	4	80	20	100
2	Contemporary India and Education	4	80	20	100
3	Learning and Teaching	4	80	20	100
4	Language Across the Curriculum	2	40	10	50
5	Understanding Disciplines and Subject	2	40	10	50
6	Gender, School and Society	2	40	10	50
7a	Pedagogy of a School Subject-Part- 1	2	40	10	50
EPC 1	Reading and Reflecting on Texts	2	40	10	50
EPC 2	Drama And Art in Education	2	40	10	50
EPC 3	Critical Understanding of ICT	2	40	10	50
	Total Marks	25	0	0	650

*Engagement with the Field: Task and Assignments for Courses 1-6 & 7a.

COURSE : 1

CHILDHOOD AND GROWING UP

Unit 1 : Understanding Childhood

- Understanding Childhood : Developmental Perspective
- Dimensions of Childhood : Social, Cultural, Political and Economic
- Key Factors during Childhood : Family, Neighborhood, Community and School
- Children and their Childhood : The Contextual Realities of Bihar
- General Objectives of Early Childhood Education as Related to National Goals.
- Notion of Joyful Childhood : Major Discourse and Educational Implications
- Dimensions of individual development : physical, cognitive, language, social, and moral, their interrelationships and implications for teachers (with reference to Piaget, Erickson and Kohlberg)



Unit 2 : Understanding Adolescence

- Adolescence : assumptions, stereotypes and need of a holistic understanding
- Major issues: growth and maturation, nature and nurture, continuity and discontinuity
- Learner as an adolescent : stages of development- developmental task with focus on process of growth and development across various stages from infancy to adolescence
- Factors affecting adolescence : social, cultural, political and economic
- Adolescence: activities, aspirations, conflicts and challenges of learner
- The contextual reality of adolescence in Bihar
- Dealing with adolescence ; discourse on the role of teacher, family, community and state

Unit 3 : Understanding Socialization and the Context of the Learner

- Understanding Socialization
- Socialization at home context: family as a social institution; parenting styles and their impact; transmission of parental expectations and values
- Socialization and the context of community: neighborhood, extended family, religious group and their socialization functions
- Socialization and the context of school : impact of entry to school, school as a social institution and its notions in Bihar, value formation in the context of schooling
- Schooling as a process of identity formation: ascribed, acquired and evolving
- Gender Identities and Socialization Practices in family, schools, other formal and informal organization; Schooling of Girls
- Inequalities and resistances in society: issues of access, retention and exclusion

Unit 4 : Understanding Differences in Learners

- Difference in learners based on socio-cultural contexts : impact of home languages of learners and language of instruction, impact of differential —cultural capital of learners
- Differences between individual learners: multiple intelligence, learning style, self-concept, self-esteem, attitude, aptitude, skills and competencies, interest, values, locus of control and personality
- Understanding differently-abled learners: slow learners and dyslexic learners



- Methods of assessing individual differences: tests, observation, rating scales, self-reports
- Catering to individual differences: grouping, individualizing instruction, guidance and counseling, bridge courses, enrichment activities and clubs

Unit 5 : Learner's Identity Development

- Understanding —Identity Formation; emergence of multiple identities in the formation of a person placed in various social and institutional contexts; the need for inner coherence; managing — conflicting identities
- Determinants of identity formation in individual and groups; social categories such as caste, class, gender, religion, language and age
- School as a site of identity formation in teacher and students; school, culture and ethos, teaching-learning practices and teacher discourse in the classroom, evaluation practices; value system and —hidden curriculum in schools
- The influence of peer group, media, technology and globalization on identity formation

पाठ्य-पुस्तकें

- ED835 बाल्यावस्था एवं उसका विकास —रीता चौहान/पी.डी. पाठक
EDG93 New Approach to Educational Psychology —Rita Chauhan

COURSE : 2

CONTEMPORARY INDIA AND EDUCATION

Unit 1 : Understanding of the Concept & Aims of Education

- Concept: Meaning and definitions of education, Processes of education- Schooling, Instruction, Training and Indoctrination. Modes of education- Formal, Informal and Non-Formal
- Aims: Meaning and functions of Aims, Classification of Aims of Education, Determinants of Aims of Education, Aims of education in relation to an individual, Aims of education in relation to a society / Nation, Philosophical contradictions between individualistic and socialistic aims and their synthesis

Unit 2 : Normative Vision of Indian Education

- Normative orientation of Indian education: A historical enquiry
- Constitutional provisions on education that reflect National ideals: Democracy, equality, liberty, secularism, and social justice



- India as an evolving Nation, State: Vision, Nature and Salient Features – Democratic and Secular polity, Federal structure: Implications for educational system
- Aims and purposes of education drawn from the normative vision
- Education for National development: Education Commission (1964-66)
- Emerging trends in the interface between
 - (i) Political process and education;
 - (ii) Economic developments and education; and
 - (iii) Socio-cultural changes and education.

Unit 3 : Philosophical Vision of Education and the Philosophical Systems

- Philosophy and Education: Meaning and definitions of philosophy, Branches of philosophy and their relationship with educational problems and issues.
- Philosophical systems: Schools of philosophy- Idealism, Naturalism, Pragmatism, Marxism, and Humanism with special reference to their concepts of reality, knowledge and values, and their educational implications for aims, curriculum, methods of teaching and discipline.

Unit 4 : Philosophical Vision of Education : Educational Thinkers

An overview of salient features of the 'philosophy and practice' of education advocated by the following thinkers :

- Indian Thinkers : R.N. Tagore, M.K. Gandhi, Swami Vivekananda, Aurobindo Ghose, Jiddu Krishnamurthi and Gijju Bhai Badheka
- Western Thinkers : Plato, Rousseau, Dewey, Froebel and Maria Montessori

Unit 5 : Contemporary Indian Schooling : Concerns and Issues

- Universalization of School Education; Right to Education and Universal Access :
 - (i) Issues of (a) Universal enrollment (b) Universal retention (c) Universal success
 - (ii) Issues of quality and equity.

The above to be discussed with specific reference to physical, economic, social and cultural access, particularly to girl child and weaker sections as well as differently-abled children
- Equality of Educational Opportunity :
 - (i) Meaning of equality and constitutional provisions
 - (ii) Prevailing nature and forms of inequality, including dominant and minor groups and related issues

- (iii) Inequality in schooling: Public-private schools, rural-urban schools, single teachers' schools and many other forms of inequalities in school systems and the processes leading to disparities
- (iv) Differential quality in schooling: Variations in school quality
- Idea of 'common school' system
- Right to Education Bill and its provisions.

पाठ्य-पुस्तकें

ED845	समसामयिकी भारत और शिक्षा	—पूनम मदान
EDG77	Philosophical and Sociological Perspective of Education in Contemporary India	—Bhavna Shukla

COURSE : 3

LEARNING AND TEACHING

Unit 1 : Learning : Its Nature, Types and Strategies

- Concept & Nature of Learning, Concept learning, skill learning, verbal learning, social learning, principle learning, problem solving
- Basic Assumptions and analysis of the relevance of Learning Theories – Behavioral, Social, Cognitive & Humanistic learning theories;
- Learning as a process of construction of knowledge - Constructivist Approach to learning
- Relationship of learning with school performance and ability of the learner

Unit 2 : Factors affecting Learning & Management of Learning

- Concept of Motivation; types, techniques of enhancing motivation,
- Health, sleep, difficulty of task, content and study habits as factors Influencing learning
- Influence of method of learning: part and whole learning; superficial and in-depth learning; Influence of prior learning on present learning; Strategies for transfer of learning
- Forgetting classroom learning – meaning and its causes; strategies for improving retention of learning
- Meaning of learning to learn skills; Ways of developing self- study

Unit 3 : Understanding Teacher and Teaching

- What is teaching?; Teaching as a planned activity – elements of planning.

- Assumptions underlying teaching and their influence on the planning for teaching. Proficiency in Teaching: Meaning and place of awareness, skills, competencies and commitment.
- Assumptions underlying effectiveness in teaching – Behaviouristic, Humanistic and Constructivist perspectives.
- An analysis of teacher's roles and functions, skills and competencies in the Pre-active phase – visualizing, decision-making on outcomes, preparing and organization; Interactive phase – facilitating and managing learning; Post-active phase – assessment of learning outcomes, reflecting on pre-active, interactive and post-active processes
- Characteristics associated with effective teachers; Teacher's professional identity – what does it entail?

Unit 4 : Planning for Teaching

- Visualizing: The learner and learning readiness characteristics, the subject matter content and their inter-linkages, the learning resources, approaches/strategies.
- Decision-making on outcomes: Establishing general instructional goals, specification of objectives and standards for learning, allocation of instructional time for various activities/ tasks – instructional time as a variable in learning.
- Decision-making on instructional approaches and strategies: Expository or Inquiry, Individualized or Small Group or Whole Class – skills required for learner engagement in the context of the strategy decided.
- Preparing for instruction: Identifying and selecting available learning resources or developing required learning resource.
- Preparation of a Plan: Unit Plan and Lesson Plan.

Unit 5 : Skills and Strategies of Teaching

- Introducing a lesson – need and various possibilities
- Motivating the learners and sustaining their attention – importance of stimulus variation and reinforcement as skills.
- Questioning, Illustration and explanation as teacher competencies influencing student-learning in the classroom;
- Strategy of Teaching – (a) Expository Strategy as approach to teaching for understanding: Presentation – discussion – demonstration, the Advance Organizer Model; (b) Inquiry Strategy as approach to teaching thinking skills and construction of knowledge : Concept attainment / Concept formation, Inductive thinking, Problem based learning/ Project Based Learning.

- Approaches to Individualized Instruction: Computer Managed Instruction, Programmed Instruction and Learning Activity Packages
- Approaches to Small Group and Whole group Instruction: Cooperative and Collaborative approaches to learning, Brain storming, Role Play and Dramatization, Group Discussion, Simulation and Games, Debate, Quiz and seminar.

पाठ्य-पुस्तकें

ED846 अधिगम एवं शिक्षण —ज्योत्सना/पी.डी. पाठक
EDG93 New Approach to Educational Psychology —Rita Chauhan

COURSE : 4

LANGUAGE ACROSS THE CURRICULUM

Unit 1 : Learner and their Language

- Meaning of Language; various forms, systems and properties
- Language capital of learners before school entry
- How children learn language with special reference to Skinner, Chomsky, Piaget and Vygotsky.
- Difference between acquiring language and learning language
- Social and cultural context of language; Language and Gender; Language and Identity; Language and Power; Language and Class (Society).
- Political context of language; Multilingual perspective of India and Bihar, Constitutional provisions related to languages in India

Unit 2 : Language in School Curriculum:

- Home language and School language; Medium of understanding (child's own language);
- Centrality of language in learning;
- Language across the curriculum; Role and importance of language in the curriculum
- Language and construction of knowledge; Understanding the objectives of learning languages: imagination, creativity, sensitivity, skill development
- Difference between language as a school- subject and language as a means of learning and Communication;
- Critical review of Medium of Instruction; Different school subjects as registers;
- Multilingual classrooms; Multicultural awareness and language teaching.

Unit 3 : Constitutional Provisions and Policies Of Language Education

- Position of Languages in India; Articles 343-351, 350A;
- Recommendation of Kothari Commission (1964-66); NPE-1986; POA-1992;
- National Curriculum Framework-2005 (language education).

पाठ्य-पुस्तकें

ED858 पाठ्यक्रम में भाषा शैली —शैली द्विवेदी
EDG83 Language Across the Curriculum —Dr. S. Krishna Kumari
EDG95 Language Across the Curriculum —Dr. Bhagwanti Gupta

COURSE : 5

UNDERSTANDING DISCIPLINES AND SUBJECTS

Unit 1 : Basic Understanding of Disciplines and Subjects

- What is a discipline?; History of the concept of discipline.
- What Are Academic Disciplines? Need/ Perspectives of the classification of Human knowledge into disciplines & Subjects; 1. The Philosophical Perspective: Unity and Plurality, 2. The Anthropological Perspective: Culture and Tribes, 3. The Sociological Perspective: Professionalization and Division of Labour 4. The Historical Perspective: Evolution and Discontinuity, 5. The Management Perspective: Market and Organization, 6. The Educational Perspective: Teaching and Learning
- Difference between discipline and subject; Nature and scope of disciplines/subjects
- Strengths and weaknesses of disciplines
- Basic premises and philosophy of subject
- Aims of disciplines/subjects for learners development in the national context

Unit 2 : Competencies for and Advancement of the Disciplines/Subjects

- Mastery over the subject
- Communicating the subject
- Subject specific terms and their uses
- Projects/activities in the subject
- Research in subject/discipline; Methods of data collection in the subject, Drawing conclusion, generalization and theory development, Preparing reference, notes and bibliography

Unit 3 : Interdisciplinary Learning and the Related Issues

- What is Interdisciplinary learning? Interdisciplinary learning – a dialectical process
- What are interdisciplinary subjects?
- What are the generic objectives of interdisciplinary subjects?
- Do interdisciplinary subjects require disciplinary depth?
- How can you design and coordinate interdisciplinary subjects?
- How can you assess interdisciplinary learning?
- What criteria can be used for quality assurance of interdisciplinary subjects?

पाठ्य-पुस्तकें

ED859	पाठ्यक्रम में विषयों की समझ	—पायल मोला जैन
EDG81	Language Across the Curriculum	—Bhavna Shukla

COURSE : 6

GENDER, SCHOOL AND SOCIETY**Unit 1 : Gender Issues : Key Concepts**

- Gender, sex, sexuality, patriarchy, masculinity and feminism
- Gender bias, gender stereotyping, and empowerment
- Equity and equality in relation with caste, class, religion, ethnicity, disability and region
- Paradigm shift from women's studies to gender studies
- Historical backdrop: Some landmarks from social reform movements of the nineteenth and twentieth centuries with focus on women's experiences of education
- Contemporary period: Recommendations of policy initiatives commissions and committees, schemes, programmes and plans.

Unit 2 : Gender, Power and Education

- Theories on Gender and Education : Application in the Indian Context
 - Socialization theory
 - Gender difference
 - Structural theory
 - Deconstructive theory
- Gender Identities and Socialization Practices in :
 - Family

- Schools
- Other formal and informal organization.
- Schooling of Girls: Inequalities and resistances (issues of access, retention and exclusion).

Unit 3 : Gender Issues in Curriculum

- Gender, culture and institution: Intersection of class, caste, religion and region
- Curriculum and the gender question
- Construction of gender in curriculum framework since Independence: An analysis
- Gender and the hidden curriculum
- Gender in text and context (textbooks' inter-sectionality with other disciplines, classroom processes, including pedagogy)
- Teacher as an agent of change
- Life skills and sexuality.

पाठ्य-पुस्तकें

ED898	लिंग, विद्यालय एवं समाज	—प्रतिमा त्रिपाठी
EDG91	Language Across the Curriculum	—Vinoti Ojha Trivedi

COURSE : 7A

PEDAGOGY OF A SCHOOL SUBJECT – PART-I**PSS-01 : METHOD OF TEACHING ENGLISH (PART-I)****Unit 1 : Nature, Scope and Aims**

- Role of English language in the Indian context : English as a colonial language, English in Post-colonial times; English as a language of knowledge; Position Of English as second language in India;
- General Principles of language learning with special reference to English
- Advantages & importance of English learning
- Aims and Objectives of teaching English
- The Constituents of learning a foreign language: the sound system, the structural devices, vocabulary
- Difficulties in teaching English in India

Unit 2 : Curriculum of English

- Meaning and principle of curriculum construction
- Critical study of existing English curriculum in Secondary and senior secondary Schools of CBSE, ICSE, BSEB.

- Curriculum reform in English - Critical appraisal of NCF- 2005, BCF- 2008 in the context of Language teaching
- Constitutional provisions and policies of language education: Position of Languages in India; Articles 343-351, 350A; Kothari Commission (1964-66); NPE-1986; POA-1992
- Text books in English- Importance and qualities

Unit 3 : Specific Instructional Strategies and Method of Teaching

- Methods: Inductive deductive, lecture, discussion Grammar, Translation Method, Direct method, multilingual, their advantages and limitations & comparisons.
- Approaches- Structural approach and Communicative approach, constructive approach
- Specific Strategies for teaching Vocabulary: Its ways and Means
- Specific strategies for Teaching of reading: Attributes of good reading. Types of Reading, Good and bad habits of Reading, Strategies to develop Reading Comprehension. Methods of reading.
- Specific strategies for developing Writing skills - Types of writing, factors affecting writing skills, qualities of good writing (Role of simplicity, logical thinking and organization in writing).

पाठ्य-पुस्तकें

EDG90 New Trends in Teaching English

-Hina Siddiqui

PSS-02 : METHOD OF TEACHING HINDI (PART-I)**Unit 1 : Nature, Scope and Aims**

- Language- its meaning and functions. The role of mother- language in the education of a child.
- Special features of Hindi language and its universal significance- the cultural, social, practical, literary and linguistic.
- Aims and objectives of Teaching Hindi as mother-tongue and national language
- Different forms of Hindi ; Hindi as a language of knowledge; Hindi as first, second and third language; Hindi at International level
- Difficulties in teaching mother tongue

Unit 2 : Curriculum of Hindi

- Meaning and principle of curriculum construction
- Critical study of existing Hindi curriculum in Secondary and senior secondary Schools of CBSE, ICSE, BSEB.

- Curriculum reform in Hindi- Critical appraisal of NCF- 2005, BCF- 2008 in the context of language teaching
- Constitutional provisions and policies of language education: Position of Languages in India; Articles 343-351, 350A; Kothari Commission (1964-66); NPE-1986; POA-1992
- Text books in Hindi- Importance and qualities

Unit 3 : Specific Instructional Strategies and Method of Teaching

- Teaching of Prose- Story, Drama, Essay and Novel. Major steps in the planning of a prose lesson.
- Teaching of poetry- Objectives of poetry lessons. Importance for recitation, Major steps in a poetry plan.
- Teaching of Grammar: Place of grammar in the teaching of Hindi, Inductive and Deductive methods and their relative merits.
- Teaching of Reading: Attributes of good reading. Types of reading- Scanning, Skimming, Intensive reading, Extensive reading, Silent reading, reading loud, Various methods of reading- The phonic method. Alphabetical method, word method and sentence method.
- Teaching of vocabulary- It's ways and means, oral work, drilling vocabulary building, making sentence.
- Teaching of writing and composition: Letter writing, Essay writing and Precise writing.

पाठ्य-पुस्तकें

ED004 हिन्दी शिक्षण

-रामशकल पाण्डेय

PSS-03 : METHOD OF TEACHING SANSKRIT (PART-I)**Unit 1 : Nature, Scope and Aims**

- Language- its meaning and functions. The role of classical language in the education of a child.
- Special features of Sanskrit language and its universal significance- the cultural, social, practical, literary and linguistic.
- Aims and objectives of Teaching Sanskrit as classical language
- Sanskrit language and literature ,Sanskrit language and Indian languages, Socio-cultural importance of Sanskrit language, Sanskrit as a modern Indian language
- Principles and Difficulties in teaching old and classical language

Unit 2 : Curriculum of Sanskrit

- Meaning and principle of curriculum construction
- Critical study of existing Sanskrit curriculum in Secondary and senior secondary Schools of CBSE, ICSE, BSEB.

- Curriculum reform in Sanskrit- Critical appraisal of NCF- 2005, BCF- 2008 in the context of language teaching
- Constitutional provisions and policies of language education: Position of Languages in India; Articles 343-351, 350A; Kothari Commission (1964-66); NPE-1986; POA-1992
- Text books in Sanskrit- Importance and qualities

Unit 3 : Specific Instructional Strategies and Method of Teaching

- Teaching of Prose, Drama, Story and Novel, Major steps in the planning of a prose lesson.
- Teaching of poetry- Objectives of poetry lessons. Importance for recitation, Major steps in a poetry plan.
- Teaching of Grammar: Place of grammar in the teaching of Sanskrit, Inductive and Deductive methods and their relative merits.
- Teaching of Reading: Attributes of good reading. Types of reading- Scanning, Skimming, Intensive reading, Extensive reading, Silent reading, reading loud, Various methods of reading- The phonic method. Alphabetical method, word method and sentence method.
- Teaching of vocabulary- Its ways and means, oral work, drilling vocabulary building, making sentence.
- Teaching of writing and composition: Letter writing, Essay writing and Precis writing.

पाद्य-पुस्तकें

ED365 संस्कृत शिक्षण

-शिखा शर्मा

PSS-04 : METHOD OF TEACHING URDU (PART-I)

Unit 1 : Nature, Scope and Aims

- Language- its meaning and functions. The role of mother- language in the education of a child.
- Special features of Urdu language and its universal significance- the cultural, social, practical, literary and linguistic.
- Aims and objectives of Teaching Urdu as mother-tongue
- Role of Urdu language in India: Pre-and post-partition; Different forms of Urdu; Urdu as a language of knowledge; Urdu as first, second and third language; Urdu at International level
- Difficulties in teaching mother tongue

Unit 2 : Curriculum of Urdu

- Meaning and principle of curriculum construction
- Critical study of existing Urdu curriculum in Secondary and senior secondary Schools of CBSE, ICSE, BSEB.

- Curriculum reform in Urdu- Critical appraisal of NCF- 2005, BCF- 2008 in the context of language teaching
- Constitutional provisions and policies of language education : Position of Languages in India; Articles 343-351, 350A; Kothari Commission (1964-66); NPE-1986; POA-1992
- Text books in Urdu- Importance and qualities

Unit 3 : Specific Instructional Strategies and Method of Teaching

- Method of Teaching Prose; Dastan, Afsana, Novel, Drama, Sawanih, Makateeb and Insha. Major steps in the planning of a prose lesson.
- Method of Teaching Poetry- Nazam, Ghazal and Rubaee; Objectives of poetry lesson. Importance of recitation, Major steps in a poetry plan.
- Method of Teaching Grammar: Place of grammar in the teaching of Urdu, Inductive and Deductive methods and their relative merits.
- Teaching of Reading: Attributes of good reading, Types of reading; Scanning, Skimming, Intensive reading, Extensive reading, Silent reading, reading aloud. Various methods of reading; The phonic method, alphabetical method, word method and sentence method.
- Teaching of vocabulary- Its ways and means.
- Teaching of writing and composition: Khutoot Nigari (Letter writing), Mazmoon Nigari (Essay writing) and Ikhtesar Nigari (Precis writing).

पाद्य-पुस्तकें

ED418 उर्दू शिक्षण

-एम. एन. मक्की

PSS-05 : METHOD OF TEACHING ARABIC (PART-I)

Unit 1 : Nature, Scope and Aims

- Language- its meaning and functions.
- Special features of Arabic language and its universal significance- the cultural, practical, literary and linguistic.
- Aims and objectives of Teaching Arabic as a foreign language.
- The Constituents of learning a foreign language: the sound system, the structural devices, vocabulary
- Development of Arabic language in India.
- Problems concerning the development of Arabic in Bihar

Unit 2 : Curriculum of Arabic

- Meaning and principle of curriculum construction with special reference to Arabic
- Place of Arabic in three language formula

- Critical study of existing Arabic curriculum in Secondary and senior secondary Schools of BSEB.
- Constitutional provisions and policies of language education:-Position of Languages in India; Articles 343-351, 350A; Kothari Commission (1964-66); NPE-1986; POA-1992
- Text books in Arabic- Importance and qualities

Unit 3 : Specific Instructional Strategies

- Teaching of Prose; Maqamah, Qissah (Story) and Riwayah (Novel), Major steps in the planning of a prose lesson.
- Teaching of Poetry-Tashbeeb, Ghazal, Madah, Heja, Rasa and Fakhra; Objectives of poetry lesson. Importance of recitation, Major steps in a poetry plan.
- Teaching of Grammar: Place of grammar in the teaching of Arabic, Inductive and Deductive methods and their relative merits.
- Teaching of Reading: Attributes of good reading, Types of reading; Scanning, Skimming, Intensive reading, Extensive reading, Silent reading, reading aloud. Various methods of reading; The phonic method, alphabetical method, word method and sentence method.
- Teaching of vocabulary- Its ways and means.
- Teaching of writing and composition: Letter writing, Essay writing and Précis writing.

PSS-06 : METHOD OF TEACHING PERSIAN (PART-I)

Unit 1 : Nature, Scope and Aims

- Language- its meaning and functions. The role of classical language in the education of a child.
- Special features of Persian language and its universal significance- the cultural, social, practical, literary and linguistic.
- Aims and objectives of Teaching Persian as classical language
- Persian language and literature, Persian language and Indian languages, Socio-cultural importance of Persian language, Persian as a modern Indian language
- Principles and Difficulties in teaching and classical language

Unit 2 : Curriculum of Persian

- Meaning and principle of curriculum construction
- Critical study of existing Persian curriculum in Secondary and senior secondary School of BSEB.
- Place of Persian in three language formula

- Constitutional provisions and policies of language education : Position of Languages in India; Articles 343-351, 350A; Kothari Commission (1964-66); NPE-1986; POA-1992
- Text books in Persian - Importance and qualities

Unit 3 : Specific Instructional Strategies

- Teaching of Prose; Dastan-e-Kotah (Short Story), Hikayat (Story), Ruman (Novel), Tamseel (Drama), Tanqeed (Criticism), Sawanih (Biography) and Khud-Navisht (Autobiography)., Major steps in the planning of a prose lesson.
- Teaching of Poetry-Hamd, Nalt, Ghazal, Rubaee, Masnawi and Qaseedah; Objectives of poetry lesson. Importance of recitation, Major steps in a poetry plan.
- Teaching of Grammar: Place of grammar in the teaching of Persian, Inductive and Deductive methods and their relative merits.
- Teaching of Reading: Attributes of good reading, Types of reading; Scanning, Skimming, Intensive reading, Extensive reading, Silent reading, reading aloud. Various methods of reading; The phonic method, alphabetical method, word method and sentence method.
- Teaching of vocabulary- Its ways and means.
- Teaching of writing and composition: Letter writing, Essay writing and Précis writing

PSS-07 : METHOD OF TEACHING HISTORY (PART-A)

Unit 1 : Nature, Importance and Aims of Teaching History

A. Nature and Importance :

- Definitions concept and constituents of History.
- Correlation of the different aspect of History with other subjects like Geography, civics, Economics, science and Technology.
- Importance of Teaching History. B. Aims and objectives :
- General aims of Teaching History.
- Objectives of Teaching History- Instructional and Behavioural and their relationship with curriculum.
- Blooms Taxonomy of Educational objective.

Unit 2 : History Curriculum

- Principal of curriculum construction.
- History curriculum and state, NCERT Textbook controversy, history curriculum in CBSE, ICSE, BSEB

- Selection and organization of Historical materials :
 - (a) General Principles
 - (b) Specific principles- Cultural Epoch, Bibliographical, Chronological, Topical, Integrational, Concentric, Spiral and Unit approaches.
- Qualities of a good History text- books.
- Curriculum reform in History - Critical appraisal of NCF- 2005, BCF- 2008 in the context of Social Science teaching

Unit 3 : Instructional Strategies and Methods of History Teaching

- Methods of Teaching History- Inductive deductive method, Story Telling Method, Lecture Method, Discussion Method, Source Method, Project and Problem Solving Method.
- Techniques of teaching – Simulation, gamming, survey method,, case study, Brain storming Team teaching
- Learning in Groups- Cooperative and collaborative learning, addressing needs of heterogeneous classroom
- Use of ICT in learning History without burden
- Teaching controversial topics in History.

पाठ्य-पुस्तकें

ED041 इतिहास शिक्षण

—गुरसरनदास त्यागी

PSS-08 : METHOD OF TEACHING CIVICS (PART-I)

Unit 1 : Nature, Scope and Aims of Teaching Civics

- Concept, Meaning and definitions of Civics.
- Nature, Scope and Importance of Civics teaching at secondary level.
- Integration of Civics with other school subject.
- Civics teaching and national politics
- General Aims of teaching Civics at secondary level.
- Instructional and behavioural objective of Civics teaching at secondary level

Unit 2 : Principles of Curriculum Construction

- Meaning and principles of curriculum
- Place of Civics in secondary and senior secondary school curriculum with special reference to B.S.E.B., C.B.S.E. and I.C.S.E.
- Curriculum reform in Civics- Critical appraisal of NCF- 2005, BCF- 2008 in the context of Social Science teaching
- Approaches to organize Civics curriculum in terms of correlation, integration, concentric, spiral, unit and chronological approaches.

- Defects in the present Civics curriculum at secondary level.
- Text books in Civics- Importance and qualities

Unit 3 : Instructional Strategies for Civics Teaching

- Methods of Teaching :
 - Expository Based : Lecture, debate, discussion, storytelling method
 - Discovery Based : Experimental/inquiry/problem solving, assignments
 - Activity Based : Simulation/gamming, survey method, source method, case study, project method.
- Computer assisted instruction, modular, mastery learning, Dalton Plan
- Learning in Groups- Cooperative and collaborative learning, addressing needs of heterogeneous classroom
- Techniques Of Teaching: Questioning, Dramatization, Role Playing, Brain Storming

पाठ्य-पुस्तकें

ED485 नागरिकशास्त्र शिक्षण का प्रणाली विज्ञान

—गुरसरनदास त्यागी

PSS-09 : METHOD OF TEACHING GEOGRAPHY (PART-I)

Unit 1 : Nature, Scope and Aims of Teaching Geography

- Nature, Scope, importance of Geography- Geography as a science and art, place of Geography in the school curriculum.
- Values of Teaching Geography- Moral, aesthetic, Utilitarian, practical, intellectual, vocational.
- Objectives of teaching Geography at the secondary school level in the context of Bihar.
- Writing instructional objectives in behavioural terms and their importance. Classifying them into categories of knowledge, understanding, application, skills etc

Unit 2 : Geography Curriculum

- Meaning and principles of curriculum development
- Critical study of existing Geography curriculum in Sec. School
- Curriculum reform in Geography - Critical appraisal of NCF- 2005, BCF- 2008 in the context of Social Science teaching
- Overview of the recent curriculum developments in Social Studies with special reference to Geography.
- Importance of text books and practical classes in geography

Unit 3 : Methods & Approaches of Teaching Geography

- Method of teaching -Lecture method, project method, survey method, observation method, laboratory method, comparative method, picture method.
- Approach of teaching -Inductive- deductive approach, descriptive approach, regional approach, environmental approach, teacher-Centred, learner- centred, activity centred, systematic approach.
- Importance of excursion and tours in understanding geography
- Techniques of teaching - Questioning, Dramatisation, Role Playing, Brain Storming

पाठ्य-पुस्तकें

ED046 भूगोल शिक्षण

-एच. एन. सिंह

PSS-10 : METHOD OF TEACHING ECONOMICS (PART-I)**Unit 1 : Nature, Scope and Aims of Teaching Economics**

- Concept, Meaning and definition of Economics.
- Nature, Scope and Importance of Economics teaching at secondary level.
- Integration of Economics with other school subject.
- General Aims of teaching Economics at secondary level.
- Instructional and behavioural objective of Economics teaching at secondary level
- knowledge of economy, globalization, liberalization, world bank, sustainable development, development with social justice

Unit 2 : Principles of Curriculum Construction

- Meaning and principles of curriculum construction
- Place of Economics in secondary and senior secondary school curriculum with special reference to B.S.E.B., C.B.S.E. and I.C.S.E.
- Developmental trends in Economics teaching
- Approaches to organize Economics curriculum in terms of correlation, integration, concentric, spiral, unit and chronological approaches.
- Curriculum reform in Economics - Critical appraisal of NCF- 2005, BCF-2008 in the context of Social Science teaching

Unit 3 : Instructional Strategies for Economics Teaching

- Methods of Teaching :
Expository Based : Lecture, debate, discussion, storytelling method
Discovery Based : Experimental/inquiry/problem solving, assignments
Activity Based : Simulation/gamming, survey method, source method, case study, project method.

- Computer assisted instruction, modular, mastery learning, Dalton Plan
- Learning in Groups- Cooperative and collaborative learning, addressing needs of heterogeneous classroom
- Techniques Of Teaching: Questioning, Dramatization, Role Playing, Brain Storming

पाठ्य-पुस्तकें

ED484 अर्थशास्त्र शिक्षण का प्रणाली विज्ञान

-गुरसरनदास त्यागी

PSS-11 : METHOD OF TEACHING HOME SCIENCE (PART-I)**Unit 1 : Aims and Objectives of Teaching Home Science**

- Concept, meaning, and importance of Home Science education
- Philosophy of Teaching Home Science: From Rousseau to Modern age
- Aims and objective of teaching Home Science
- Classifications of objectives in behavioral terms.
- The Scope and component of Home Sc. - Health and Hygiene, Food and Nutrition, Home management, Preservation of Food, Child rearing, Textile and Clothing (brief introduction)

Unit 2 : Curriculum and Textbook of Home Science

- Meaning and definitions of curriculum
- Principles and bases of curriculum construction
- Evaluation of present curriculum of home science in schools
- Home Science text books – functions and characteristics.
- Curriculum reforms in Home science

Unit 3 : Teaching Aids and Other Activities

- Home science laboratory -: its equipments and maintenance.
- Audio – Visual aids in teaching Home Science at secondary level:- Blackboard, Flannel board and Bulletin board; Radio, film, T.V. & computer.
- Role of Excursion & visits.
- Co- curricular activities- socialized techniques ; role expectations
- Enquiry and discovery approach

पाठ्य-पुस्तकें

ED078 गृहविज्ञान शिक्षण

-जी. पी. शैरी/डी. एन. श्रीवास्तव

PSS-12 : METHOD OF TEACHING COMMERCE (PART-I)**Unit 1 : Nature, Need and Objectives of Commerce Education**

- Meaning, Nature, Need and Scope of Commerce Education
- Justification for including commerce as an optional subject at school level
- Nature of general and specific objectives, behavioural objectives
- Technique of writing objective- instructional and behavioural
- Importance of Commerce in daily life

Unit 2 : Curriculum of Commerce and Text books

- Concepts of curriculum and syllabus
- Principles of curriculum construction in commerce
- Place of Commerce in School curriculum especially in CBSE, ICSE and BSEB
- A critical appraisal of present commerce syllabi
- Text books and other supplementary materials in Commerce-Importance and qualities

Unit 3 : Methods and Techniques of Imparting Commerce Education

- Lecture Method
- Question-Answer Technique
- Discussion Method
- Project Method
- Problem Solving
- Games Method

ED193 वाणिज्य शिक्षण

पाठ्य-पुस्तकें

-रामपाल सिंह

PSS-13 : METHOD OF TEACHING PHYSICAL SCIENCES (PART-I)**Unit 1 : Nature, Significance and Objectives of Teaching Physical Science**

- Nature of physical science: as a body of knowledge, method of inquiry and attitude towards life; theory and experimentation; relationship of physical sciences with other sciences
- Physical sciences and modern Indian society: Relationship of physical sciences and society, impact of physical sciences on modern Indian society with special reference to issues related with environment, industrialization, sustainable development and peace

- Aims and objectives of Teaching Physical Sciences, Instructional and Behavioural objectives with reference to Bloom Taxonomy of educational objectives
- Scientific attitude and scientific methods of inquiry as related of Physical Science Teaching

Unit 2 : Physical Science Curriculum

- Meaning and definition of Curriculum
- Principles and steps of Curriculum construction
- Place of Physical Sciences in present secondary and senior secondary school curriculum with special reference to CBSE, ICSE and BSEB.
- Limitations of existing Physical Science curriculum at secondary school level.
- Curriculum reform in Science - Critical appraisal of NCF- 2005, BCF 2008 in the context of Science teaching

Unit 3 : Methods and Approaches for Teaching of Physical Science

- Qualities and competencies of a physical science teacher
- Methods of teaching - Inductive-deductive, Analytic synthetic, heuristics, experimental, problem solving, project, lecture, demonstration, Programmed instruction, team teaching
- Techniques of physical science teaching - Oral, written, drill, assignment, simulation, term teaching, task analysis, laboratory techniques and supervised study
- Approaches - Defining, concept formation, stating necessary or sufficient condition, giving examples accompanied by a reason. Comparing and contrasting, Giving counter examples

पाठ्य-पुस्तकें

ED546 भौतिक विज्ञान शिक्षण

-जे. के. सुद

PSS-14 : METHOD OF TEACHING BIOLOGICAL SCIENCES (PART-I)**Unit 1 : Nature, scope, aims and objectives of teaching Biology**

- Nature, scope and importance of Biological sciences education
- Aims and objectives of teaching Biological Science in terms of their learning outcome
- Emergence and development of Biological science education
- Discoveries and landmark development in biology and contribution of Eminent Indian biologist
- Scientific attitude and scientific method as the major objectives of Biological science teaching.

Unit 2 : Biological Science Curriculum

- Meaning and definitions of curriculum
- Principles of curriculum construction and development of curriculum in biology
- Defects in the existing Biological science curriculum at secondary level.
- Curriculum reform in Science- Critical appraisal of NCF- 2005, BCF 2008 in the context of Science teaching
- Trends in Science curriculum; Consideration in developing learner-centered curriculum in biology

Unit 3 : Methods and Aids in Teaching of Biological Science'

- Methods of teaching- Lecture Method, Demonstration method, Lecture-cum-Demonstration method, Heuristic method, laboratory method, Project method, Programmed Instruction and Team Teaching.
- Teaching aids in Biological science' teaching- Audio, Visual and Audio-visual.
- Use of community resources in the teaching of Biological sciences.
- Organizing co-curricular activities in Biological Sciences : Science club, Field trips, Science fair, Science Quiz etc.
- Organizing Biological science Resource centres - Biological science laboratory, and Biological science Museum. Setting and maintaining an Aquarium, Vivarium and Botanical garden

पाठ्य-पुस्तकें

ED971 जीव विज्ञान का शिक्षण

—डी. एन. श्रीवास्तव

PSS-15 : METHOD OF TEACHING MATHEMATICS (PART-I)**Unit 1 : Aims and objectives of Mathematics Teaching**

- Meaning and nature of mathematics: role of Axioms, hypothesis, postulates, operations etc.
- Scope of mathematics as school subject and in daily life operations
- Developmental trends in mathematics teaching
- Correlation of mathematics with other school subject
- Need for establishing general objectives for teaching mathematics
- Objectives of teaching mathematics in terms of Instruction and Behaviour

Unit 2 : Mathematics Curriculum and Text Book

- Meaning and definition of curriculum
- Bases and principles of curriculum construction
- Place of mathematics in school curriculum
- Curriculum reform in Mathematics – Critical appraisal of NCF- 2005, BCF 2008 in the context of Mathematics teaching
- Evaluation of mathematics curriculum at secondary and senior secondary stages
- Text books and supplementary materials in mathematics.

Unit- III- Methods and Approaches for teaching of Mathematics

- Qualities and competencies of a mathematics teacher
- Methods of teaching - : Inductive-deductive, Analytic synthetic, heuristics, experimental, problem solving, project, lecture, demonstration, Programmed instruction, team teaching
- Techniques of mathematics teaching – Oral, written, drill, assignment, simulation, term teaching, task analysis, laboratory techniques and supervised study
- Approaches – Defining, concept formation, stating necessary or sufficient condition, giving examples accompanied by a reason. Comparing and contrasting, Giving counter examples

पाठ्य-पुस्तकें

ED844 गणित का शिक्षणशास्त्र

—रावत/अग्रवाल

PSS-16 : METHOD OF TEACHING COMPUTER SCIENCE (PART-I)**Unit 1 : Nature, Scope and Aims of Teaching Computer Science**

- Meaning and Concept
- Nature and Scope
- Importance of Computer Science
- Aims of teaching computers
- Difference between aims and objectives
- Instructional objectives
- Taxonomy and writing Instructional objectives in behavioural terms

Unit 2 : Development of Computer Science and its Curriculum

- First step in computing
- History of Computers in India
- Importance and Limitations of Computer

- Curriculum (meaning and concept)
- Principles of curriculum construction
- Development of Computer Science Curriculum
- Place in the School Curriculum in the era of globalization.

Unit 3 : Methods of Teaching and Teaching strategies in Computer Science

- Lecture method
- Demonstration method
- Laboratory method
- Heuristic method
- Project method
- Assignment method
- Problem solving method
- Computer Assisted Instruction

COURSE : EPC 1

READING AND REFLECTING ON TEXTS**Unit 1 : Engaging with Narrative and Descriptive Accounts**

The selected texts could include stories or chapters from fiction, dramatic incidents, vivid descriptive accounts, or even well-produced comic strip stories. Suggested Activities

- Reading for comprehending and visualizing the account (individual plus group reading and discussion/explanation)
- Re-telling the account – in one's own words/from different points of view (taking turns in a smaller group)
- Narrating/describing a related account from one's life experience (in front of a smaller group)
- Discussion of characters and situations – sharing interpretations and points of view (in a smaller group)
- Writing based on the text, e.g. summary of a scene, extrapolation of story, converting a situation into a dialogue, etc. (individual task).

Unit 2 : Engaging with Popular Subject-based Expository Writing

The selected texts could include articles, biographical writing, or extracts from popular non-fiction writing, with themes that are drawn from the subject areas of the student teachers (various sciences, mathematics, history, geography, literature/language pieces). For this Unit, the student-teachers should work in groups divided according to their subjects, within which different texts could be read by different pairs of student-teachers.

Unit 3 : Engaging with Educational Writing

Selected texts could be drawn from the wide range of popular educational writing in the form of well-written essays, extracts or chapters from authors who deal with themes from education, schooling, teaching or learning. The writings selected should present a definite point of view or argument about some aspects of the above themes. Student-teachers can be grouped randomly for this Unit.

पाठ्य-पुस्तकें

ED866	विभिन्न साहित्यों का पठन एवं निष्कर्षण	—पायल भोला जैन
ED485	Reading and Reflecting on Text	—Hina Siddiqui

COURSE : EPC 2

DRAMA AND ART IN EDUCATION**Unit 1 : Drama as Performing Art and its Relevance to Education**

- Understanding the concept of Drama and its relevance for Education
- Drama as pedagogy
- Organizing drama: preparatory activities and resources, dramatic society
- Playing Drama: story, dialogue, characters, symbols, creating different situations
- Other forms of theatre; Stage Plays, Skits, Mime, Street Plays
- Knowledge of Indian and regional drama traditions
- Social Relevance of dance and Drama in Contemporary Indian Scene
- Appreciating art of drama in learners
- Understanding visual arts and crafts with their relevance for Education
- Visual arts and crafts as pedagogy
- Visual arts and crafts : different forms, basic resources and their use
- Knowledge of Indian Craft Traditions and regional folk arts
- Appreciating visual arts and crafts in learners
- Integrating Drama with school curriculum
- Dance/drama research and other component of correlated arts
- Integrating Arts and Crafts with school curriculum
- Visualizing School and Classroom as a space for art aided learning
- Preparation of teacher for art aided learning
- Role of Media and technology in the study and propagation of dance/drama

पाठ्य-पुस्तकें

ED847 नाट्य कला और शिक्षा

—रीता चौहान

COURSE : EPC 3

CRITICAL UNDERSTANDING OF ICT**Unit 1 : Basics in ICT and Computer Applications**

- Information and Communication Technology: Meaning, nature and advantages
- Emergence of new information technology- convergence of computing and telecommunications
- Computer hardware fundamentals (anatomy, input devices, output devices, storage devices, display devices), hardware troubleshooting and diagnosis
- Operating system-meaning and types, types of computers
- Computer Network-LAN, WAN. Internet - concept and architecture ; Locating internet resources - navigating, searching, selecting, evaluating, saving and bookmarking
- Use of digital camera, camcorder, scanner, interactive white board, and multimedia projector for creating and using multimedia resources
- Computer security: hacking, virus, spy ware, misuse, abuse, antivirus, firewall, and safe practices

Unit 2 : Basic Computer Software Applications

- Software –meaning and types (system software, application software, proprietary software, open source software, shareware and freeware)
- Open source software: concept, philosophy, types, and advantages. Open source educational software
- Introduction to MS-Windows- navigating the desktop, control panel, file manager, explorer, and accessories
- Introduction to MS Office and Open Office
- Basic microcomputer applications (word processing, spreadsheets, presentations, and drawing) and its educational applications
- Utility tools: pdf creator, file archiving, file converter, antivirus
- Multimedia: meaning, types, advantages and evaluation of multimedia resources. Development and use of multimedia in education
- E-content: design, development, standards, learning objects and reusability, and authoring tools

Unit 3: ICT based Education and Evaluation

- Computer Based Instructions, Computer Assisted Instructions, and Computer Managed Instruction
- Educational Software: Concept, need and Evaluation of Educational software.
- Technology supported presentations/projects/assignments: Concept, need and Evaluation of Students| Educational MM presentations/projects/assignments.
- Plagiarism: Concept of plagiarism with technology supported students| assignments/projects and measures to reduce plagiarism in Education.
- Question Bank Development in school scenario (with inbuilt Evaluation mechanism): Developing Question Bank using Hot Potatoes with different types of questions such as multiple choice, short answers, jumbled sentences, crossword, match, order, gap-fill exercises.

पाठ्य-पुस्तकें

ED853 कम्प्यूटर एवं संचार तकनीक

—स्मिता श्रीवास्तव
