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Reference Books:

- Aggarwal, J.C.(2008). *Education in the Emerging Indian Society*. New Delhi: Shipra Publication.
- Chand, Jagdish (2007). *Education for Human Rights*. New Delhi: Anashah Publishing House.
- Mohanty, J. (2006). *Human Rights Education*. New Delhi: Deep & Deep Publications.
- Naseema, C. (2008). *Human Rights Education Theory and Practice*. New Delhi: Shipra Publications.
- Rao, Digumarti Bhaskara (2004). *Human Rights Education*. New Delhi: Discovery Publication House.
- Reddy & Others (2015). *Human Rights Education*. Hyderabad: Neelkamal Publications Pvt. Ltd.

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Edu0500104

Four Year Undergraduate Programme (FYUGP) Syllabus

5TH SEMESTER

Subject Name: Education

Course Name: EDUCATIONAL TECHNOLOGY

Course Code: 300 – 399

Credit: 4

Total: 100 (Internal – 20 External – 80)

Learning Objectives:

After completion of this course the learners will be able to demonstrate the ability to:

- Make the students understand the objective of educational technology in teaching learning process
- Acquaint the students with innovations in the field of education through technology
- Make the students understand about various methods and devices of teaching
- Acquaint students with levels, effectiveness of teaching and classroom management

Make the students understand the strategies of effective teaching as a profession

Units	Contents	No of classes	Marks
Unit:1	Educational technology: • Meaning, nature and scope of Educational technology • Approaches of Educational Technology Educational Technology I or Hardware Approach Educational Technology II or Software Approach Educational Technology III or Systems Approach • Psychological Bases for the use of Hardware and Software Technologies-Edger Dale's Cone of Experiences • Instructional Strategies- Programmed Instruction- Meaning, Characteristics, Fundamental Principles of Programming- Concept of Extrinsic and Intrinsic programming(Linear and Branching Programming)	Contact class: 50 Non contact class: 10	Total: 100 (Internal – 20 External – 80)
Unit:2	Communication and Teaching-Learning • Concept , Nature and Types of Communication • Principles of communication • Classroom Communication • Marks of effective classroom communication		

	• Barriers of effective classroom communication • Application of ICT in communication the teaching-learning Process • Resources of learning- Projected and Non-projected resources, • E-learning, EDUSAT, INFLIBNET and Social media		
Unit:3	Methods and techniques of teaching • Teaching learning process- Meaning and Nature of teaching and learning • Criteria of good teaching • Teaching Methods- lecture method, play way method, Activity method, Discussion, Project method, problem solving method • Teaching techniques- Maxims of teaching, devices of teaching-Narration, Illustration, Questioning		
Unit:4	Strategies of Teaching and Learning Teaching Behavior- Authoritarian, Democratic, Laissez Faire Phases of Teaching-Pre-Active, Interactive and Post-Active Phase • Levels of Teaching-Memory Level, Understanding Level, Reflective Levels of Teaching		
Unit:5	Lesson Planning and Micro Teaching • Lesson plan –Its meaning and Importance • Types of Lessons- Knowledge Lesson, Skill Lesson, Appreciation Lesson		

	• Herbartian Steps of Lesson Planning • Criteria of a good lesson plan • Micro teaching- meaning and components		

Reference Books:

- Aggarwal J.C. (2005). *Educational Technology*. New Delhi: Vikash Publishing House Pvt. Ltd.
- Chauhan, S. S. (2008). *Innovations in Teaching-learning Process*. New Delhi: Vikash Publishing House Pvt. Ltd.
- Kochhar, S. K. (1996). *Methods and Techniques of Teaching*. New Delhi: Sterling Publishers Pvt. Ltd.
- Mangal, S.K. and Mangal, Verma (2009). *Essentials of Educational Technology*. New Delhi: PHI Learning Pvt. Ltd.
- Passi, B.K. (1976). *Becoming Better teacher-Micro Teaching Approach*. Ahmedabad: SahityaMudranalaya
- Sharma, R.A. (2000). *Teaching Foundation of Education*. Meerut: R. Lall Book Depot
- Siddiqui, M.H.(2008). *Models of teaching*. New Delhi: APH Publishing Corporation
- Singh, Amarjit (2006): *Classroom Management*, New Delhi: Kanishka Publishers

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EDU0500204

Four Year Undergraduate Programme (FYUGP) Syllabus

5TH SEMESTER

Subject Name: Education

Course Name: EMERGING ISSUES IN EDUCATION

Course Code: 300 – 399

Credit: 4
Total: 100 (Internal – 20 External – 80)

Learning Outcome:

After completion of this unit, students will able to-

- Make the students acquaint with major emerging issues national, state, and local
- Acquaint the students with the various issues in education that are emerging in the recent years in the higher education system
- Address the various problems and challenges of education in India at all levels.

Course contents

Units	Contents	No of classes	Marks
Unit-1	Social Inequality in Education and Constitutional Safeguards • Concept of Social Inequality • Constitutional Provision for Ensuring Equality in Education • Education of Socially Disadvantaged Section: SCs, STs and Minorities , Education of people of Char area of Assam • Education for Backward Children, Child Labour, Street Children and Slum Dwellers • Gender Disparity and Rural-Urban Disparity in Education	Contact class: 50 Non contact class: 10	Total: 100 (Internal – 20 External – 80)
Unit-2	Liberalization, Privatization and Globalization of Education • Liberalization: Concept and its impact on education • Privatization: Concept and its impact on education • Globalization: Concept and its impact on education • Public-private Partnership • Education as investment		
Unit-3	Issues related to Students • Youth Unrest: Concept, Causes and Remedies		

	• Campus Disturbance: Concept, Causes and Remedies • Examination Anxiety: Concept, Causes and Remedies • Issues related to Educated Unemployment.		
Unit-4	Environmental Education and Population Education • Main Environmental Issues: Global Warming, Ozone Depletion and Environmental Pollution • Role of Environmental Education for Sustainable Development • Role of Different Stakeholders (Government and Non-Government Organisations, Women, Media) in Environmental Protection • Population Explosion: Its Causes and Consequences • Population Education for Population Control		
Unit-5	Multi-Cultural Education and Alternative Education • Concept, Objectives and Need of Multi-Cultural Education • Curriculum and Instruction of Multi-Cultural Education • Issues related to Multi-Cultural Education • Concept of Alternative Education and its related Issues • Role of NIOS and Sakshar Bharat Mission in Alternative Education • Role of IGNOU and KKHSOU in Alternative Higher Education • MOOC and its related Issues.		

- Aggarwal J. C. (1997). *Development and Planning of Modern Education*. New Delhi: Vikas Publishing House Ltd.
- Chandel and Nand (2011). *Population Education*. Agra: Shri Vinod Pustak Mandir.
- Krishnamacharyulu, V. (2005). *Environmental Education*. Hyderabad: Neelkamal Publications Pvt. Ltd.
- Mishra and Mohanty (2013). *Trends and Issues in Indian Education*. Meerut: R. Lall Book Depot.
- Taj, Haseen (2011). *Current Challenges in Education*. Hyderabad: Neelkamal Publications Pvt. Ltd.
- Tiwari, R.P. *Problems of Education in N.E. India*. Ludhiana: Tandon Publications.

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Education EDU 0500304

Four Year Undergraduate Programme (FYUGP) Syllabus
5TH SEMESTER

Subject Name: Education

Course Name: ENVIRONMENTAL EDUCATION

Course Code: 300 – 399

Credit: 4

Total: 100 (Internal – 20 External – 80)

Learning Outcome:

On completion of this course, the students will be able to

1. Understand the concept of environment and its relation between human beings
2. Realise the importance of Environmental Education and learn the strategies aware people on environment

3. Discuss on Environmental Issues and Challenges and learn to deal effectively with environmental hazards
4. Evaluate the environmental status at regional and global level and acquire skills to conserve and preserve environment
5. Acquaint themselves with the SDGs and true causes of decline of environmental values among people.

Course Contents

Units	Contents	No of classes	Marks
Unit-1	Concept of Environment • Meaning, Definitions and characteristics of Environment • Components and Types of Environment. Ecology and Ecosystem • Man's relation with Environment through ages • Interdependency in environment- Food Chain and Food web	Contact class: 50 Non contact class: 10	Total: 100 (Internal – 20 External – 80)
Unit-2	Concept of Environmental Education • Environmental Education: Meaning & definition, characteristics and objectives • Need and importance of environmental Education • Environmental Awareness through formal and informal education, Role		

	of educational institutions and NGOs in creating environmental awareness and attitudinal change among students and common people. • Strategies of teaching Environmental Education at different levels with reference to objectives		
Unit-3	Environmental Degradation and Hazards • Concept of environmental degradation, environmental hazards and environmental pollution • Environmental Hazards: Natural and man-made • Types of common environmental pollution • Role of Education in mitigation of environmental degradation.		
Unit-4	Environmental conservation • Needs and objectives of environmental conservation • Characteristics of conservation • Categories of conservation: In situ conservation and Ex situ conservation • Environmental movements/ projects and conferences for conservation of environment: Chipko Movement, Silent Valley project, Narmada Valley Project, Stockholm		

	Conference 1972, Rio Summit 1992		
Unit -5	Environmental Ethics and Sustainable Development • Environmental Ethics and values • Causes of decline of environmental values among people • Environmental education for sustainable development • UN Sustainable Development Goals: Goal 7(Affordable and clean energy), Goal 12 (Responsible consumption and production), Goal 13 (Climate action)		

Recommended Readings:

- Chitrabhanu, T.K: Environmental Education. Authorspress. New Delhi 2007
- Gupta P.K : Population Education. R. Lall Book Depot. Meerut. 2004
- Ramakrishnana and Panneeselvam: Environmental science Education. Sterling Publishers Pvt. Ltd. New Delhi. 2007
- Reddy and Reddy: Environmental Education. Neelkamal Publications pvt. Ltd. Hyderabad/New Delhi.
 - 2007
- Sharma and Maheswari: Education for environment and Human Values, R.Lall Book Depot. Meerut.2005
- Sharma, R.A: Environmental Education. R.Lall Book Depot. Meerut. 2008
- Shrivastava, K.K: Environmental Education (Principles, Concepts and Management).Kanishka Publishers, Distributors. New Delhi. 2014

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EDU0500404

Four Year Undergraduate Programme (FYUGP) Syllabus

5TH SEMESTER

Subject Name: Education

Course Name: RESEARCH METHODOLOGY

Course Code: 300 – 399 (Elective-1)

Credit: 4

Total: 100 (Internal – 20 External – 80)

Learning Outcome:

After completion of this course the learner will be able to:

- Enable the students to understand the concept of Educational Research.
- Acquaint the students with the different steps of Educational Research
- Develop an understanding of different types of educational research
- Acquaint the students about the preparation of Research Proposal

Course contents

Units	Contents	No of classless	Marks
Unit-1	Educational Research: • Meaning, Definition, Characteristics and Objectives of Educational Research • Types of Educational Research: Fundamental, Applied and Action Research	Contact class: 50 Non contact class: 10	Total: 100 (Internal – 20 External – 80)

Unit-2	Research Proposal : • Meaning, Steps in formulating Research Problem • Research Questions, Research Objectives, Research Hypothesis and Variables • Research Tools Meaning of Questionnaire, Interview Schedule and Observation Schedule		
Unit-3	Review of the Related Literature: • Meaning and nature • Sources and Importance		
Unit-4	Research Design : • Meaning of Research design • Meaning of Population and Sample Analysis and Interpretation of the data: • Meaning of data and its types , Collection of data, organization of the data, Analysis and Interpretation of the data		
Unit-5	Report Writing : • Meaning • Structure of Research Report: Preliminary Section, Main body of the Report , Reference Section		

Recommended Readings:

- Best and Khan ,Research in Education , (10th Edition) Prentice Hall PVT Limited M-97 Connaught Place, New Delhi, New Delhi
- Langenbach Michle and Courtney Vaughn (7th Edition).; An Introduction to Educational Research, Allyn and Bacon, London
- Shefali R Pandya, Educational research , 2010, APH Publishing Corporation, Ansari Road , Darya Ganj New Delhi 110002