

YVUCET-2020: SYLLABUS

TEST – 107

Education

SECTION – A (Marks-30)

FOUNDATIONS OF EDUCATION

PHILOSOPHY AND EDUCATION

a) Meaning of Philosophy and Education, (b) Meaning and Scope of Philosophy of Education, (c) Aims of Education

EDUCATIONAL IMPLICATIONS OF THE FOLLOWING SCHOOLS OF THOUGHT WITH INDIAN AND WESTERN PERSPECTIVES.

1. Idealism, 2. Naturalism, 3. Pragmatism, 4. Existentialism

SOCIOLOGY OF EDUCATION

1. Nature of Sociology, 2. Meaning and Scope of Sociology of Education 3. Culture, Socialization and education 4. Social Stratification and Education

SOCIAL CHANGE AND EDUCATION

1. Meaning and Factors of Social Change, 2. Meaning and attributes of Modernization, 3. Modernity and Indian education

ECONOMICS OF EDUCATION

1. Nature of Economics, 2. Meaning as Human Capital, 3. Education as Human Capital, 4. Education and Human Resource Development

ENVIRONMENTAL EDUCATION

1. Meaning and Scope of Environmental Education, 2. Aims and Objectives of Environmental Education, 3. Concept of sustainable development 4. Role of teacher, School, Government and NGO in the Development of Environment and protection of Environment.

HISTORY OF INDIAN EDUCATION

1. A brief introduction to Ancient Education, 2. A brief introduction to Medieval Education, 3. A brief introduction to Modern Education, 4. A brief introduction to Contemporary Education

CHILD RIGHTS EDUCATION

1. Overview of child rights convention, 2. Categories of Rights: Right to Survival, Protection, Development, Participation, 3. Child Rights Convention (CRS) and its implications to Education

THE STATE AND EDUCATION

1. A Relationship between politics and Education, 2. Democracy and Education, 3. Equality and Equity, 4. Constitutional frame of reference for Indian Education with special reference to the preamble.

CONTEMPORARY ISSUES IN EDUCATION

1. Liberalization and Education, 2. Privatization and Education, 3. Globalization and Education, 4. Value crises and Peace Education, 5. Nationalism and Education

ii) COMMUNICATIVE ENGLISH

Listening Comprehension

Speaking - Para language: Sounds, stress, intonation, rhythm, voice quality

Conference - Briefing, addressing, seminar, role-play, group-discussion, comparing.

Reading Comprehension Writing-Paragraph, letter-Writing, notices, incitation's, resume-writing

Study skills & reference skills

SECTION-B (Marks-30)

PSYCHOLOGICAL FOUNDATIONS OF EDUCATION

Nature and Methods of Educational Psychology

1. Meaning, nature and Scope of Educational Psychology, 2. Methods of educational psychology- Introspection, observation, Experimental & Case Study, 3. Utility of Educational psychology to the teacher.

Development of the Learner

1. Concept of Growth, Development & Maturation, 2. Readiness to Learn 3. Factors affecting readiness, 4. Principles of development 5. Stages of development-Infancy, Childhood. Adolescence with reference to Physical, Cognitive(Piaget), Affective, Social, Emotional and Moral(Kohlberg)development.

Individual differences and areas of individual differences

1. Concept of individual differences, 2. Inter and intra individual differences, 3. Factors responsible for individual differences 4. Areas of individual difference in a) Intelligence - concept -definition -types of intelligence - (Thorndike and Gardner)- intelligence tests - individual/group intelligence tests - verbal. Nonverbal and performance tests of intelligence and its administration and using intelligence tests in schools. b) Aptitude - concept - definition - Aptitude tests - Differential Aptitude tests (DAT) and its administration - using aptitude test in schools. c) Creativity - Concept - Definition - Creativity process – fostering creativity in school - creativity tests. d) Memory and Forgetting. Effective methods of remembering.

Education of Children with Special Needs

1. Nature, Scope and definition of special education
2. Characteristics, causes, education of the following
a. Mentally handicapped (Mild, Moderate), b. Learning disabled c. Gifted/Talented, d. Visually impaired, e. Hearing impaired
f. Loco-motor Handicapped
3.Special, integrated and inclusive education

Psychology of Learning and Teaching

1. Concept and Principles of learning, 2. Factors influencing learning
a. Personal factors - age, maturation, emotional condition, needs, interest, motivation, abilities, aptitude. b. Environmental factors - natural, social (home and school) and cultural, learning material, relationship with parents, teachers and peers, media influence on learning.
3. Theories of learning/teaching and its classroom implications
a. Trial and Error, b. Classical Conditioning, c. Operant conditioning d. Insightful learning, e. Social learning (learning by observation),
f. Bruner's Theory of Instruction
4. Transfer of learning-concept and types of transfer.

Classroom Management and Motivation

1. Motivation, Concept, definition, 2.Types of motivation-Intrinsic and extrinsic, 3.Objections to the use of punishment, 4.Classroom management and motivation

Classroom Management and Group dynamics

1. Importance of understanding of group dynamics for teacher,
2. The nature of classroom leadership-participative, directive, permissive.
3. Development of Inter personal relationship-in the classroom

4. Mental health of the teacher and taught-role of home and school in its development.

Classroom Management and Guidance

1. Definition of guidance and counseling, 2. Types of guidance-educational, vocational and personal guidance, 3. Types of counseling-directive, non-directive and eclectic counseling, 4. Guiding backward, gifted, creative students, 5. Guidance and counseling for adolescents on: HIV/AIDS scenario in India and A.P. Adolescence and reproductive health-process of growing up-sexual health and hygiene (HIV/AIDS), sex education and drug abuse.

Factors influencing Development of Personality

1. Concept and nature of personality, 2. Factors influencing development of personality-heredity and environmental factors, 3. Personal adjustment - adjustment and maladjustment, causes of maladjustment/adjustment in schools, 4. Assessment of Personality a) Projective techniques, b) Non-Projective techniques.

Importance of Educational Statistics for Secondary School Teachers.

1. Concept of Statistics for Psychology and Education-Knowledge of Educational Statistics for Classroom Teacher, 2. Tabulation of Data and its Educational Significance, 3. Measures of Central Tendencies, Variability, and Rank-Correlation, 4. Normal Probability Curve, its Interpretation and Educational implications.

Interpersonal Skills

Interpersonal Skills; ii) Personality Development

1. Concept of Interpersonal Skills, 2. Working in a team, 3. Elements of Interpersonal skills: negotiating, being caring and empathetic, upward and downward communication, ability to handle diverse roles.

Leadership

1. Concept of leadership, 2. Types of leadership - Directive, supportive, Participative, achievement-oriented, permissive, 3. Qualities of leadership - Vision, passion, self-sacrifice, confidence, role-modeling 4. Functions of leadership - Motivating, Confidence-building, planning, co-ordinating, decision-making, interacting, negotiation, time-management, mentoring.

Creativity

1. Concept of creativity, 2. Characteristics of a creative person, 3. Creative methods-Evolution, synthesis, revolution, reapplication, changing directions

Conflict Management

1. Concept of conflict, 2. Causes of conflict Intra-individual-adaptive policies, organizational structure, working conditions and other factors. 3. Strategies for resolution, a) Avoidance, diffusion, Containment, Confrontation b) Pro-active & Reactive

SECTION C (Marks-40)

EDUCATION TECHNOLOGY & COMPUTER EDUCATION:

I: Elements of Educational Technology

1. Meaning and Nature of Educational Technology
2. Scope, classification and Objectives of Educational Technology
3. Instructional Design and Technology

Teaching-Learning and Techniques of Communication

1. Concept and Meaning of teaching and learning, 2. Structure and phases of teaching, 3. Elements,

processes, types, barriers and Factors affecting Communication, 4. Mass Media Approach and Techniques of communication in the classroom, 5. Classroom Interaction Analysis.

Teaching Aids and uses

1. Characteristics and importance of teaching aids, 2. Classification and types of teaching Aids, 3. Hardware and Software in Teaching aids, 4. Principles in the use of Teaching aids
Multimedia approach in Education

1. Edgar Dale's cone of Learning Experiences, 2. Multimedia Approach to Teaching-learning process, 3. Instructional Resource Center for Educational Technology

Developments in Educational Technology

1. Action Research, 2. Programmed Learning, 3. Micro-teaching, 4. Systems Approach

Introduction to Computers:

1. Generations, Types and Characteristics of Computers, 2. Essential Components of a Computer; Input and Output devices, 3.Types of memory 4. Computer languages; Assembly language; Machine language; High level languages, 5. Uses and Applications of Computers

Introduction to Operating system

1. Concept and types of operating system,
2. Basis of MS-DOS and Ms-Windows,
3. Advantages of Windows over DOS.

Introduction to MS-office

1. MS WORD - Word processing, saving and retrieving files from different drives, Text Editing, Spell check, Thesaurus, Text printing
2. MS EXCEL - Statistical Applications, Measures of Central tendencies - Mean, Mode, graphical representation - bar graphs, Pie diagrams, Frequency curves
3. MS ACCESS - Creating a file, Adding and changing information, Sorting, Searching and printing.
4. MS POWERPOINT - Applications, Presentations, usage of Clipart, Slide show
5. MS PUBLISHER - Newsletter, Brochure

Introduction to Internet

1. History of Internet, 2. E-Mail and World Wide Web, 3. Accessibility and Retrieval of information, 4. Viruses and protection systems, 5. Internet applications in the field Education

Computers in Education

1. Computers in teaching-learning, 2. Computer in Evaluation, 3. Computers in Educational Administration

SCHOOL MANAGEMENT AND SYSTEMS OF EDUCATION

Educational Management

1. Definition, Meaning and Aims of Educational Management, 2. Principle and Types of Educational Management, 3.Administrative Structure of Education in India and with special reference to Andhra Pradesh

School as an Organization

1. Concept and Objectives of School, 2. Components of School and School Plant, 3. Physical, Human and Financial Resources, 4. School under different Management

Head of the Organization -Importance and Different Roles

1. Academic Aspects: - Supervision, Guidance, maintenance of Standards, Institutional Evaluation, Time Table, Subject Clubs, Co-curricular Activities.
2. Administrative Aspects:Institutional Planning, Budgeting, mobilization of Resources, Supervision,

Organization of Staff Meetings - maintenance of different Registers & Records

The Role of the Teacher and School Management

1. Concept of Effective Teaching, 2. pre-requisite characteristics of Effective Teacher, 3. Self Evaluation and Professional Growth of Teachers, 4. Significance of In-service Programmes

Child Rights Education

1. Child Rights and School Management, 2. Child Rights and Democratic Education, 3. Concept and Ladder of Child Participation, 4. Models of child Participation

Population Education

1. Meaning, Nature, Scope and significance of Population Education, 2. Causes and consequences of Population growth, 3. Determinants of Population growth, 4. Environment, sustainable development and population growth, 5. Population situation, policies and programmes in India, 6. Approaches to Population Education and role of School and Teachers

Non-Formal Education

1. Types of Educational Systems, 2. Nature, Scope and Objectives of Non-Formal Education, 3. Life-long Education and open Learning Systems 4. Non-formal Education and Universalization of Elementary Education, 5. Adult Education Programmes in post colonial India
Elementary Education

1. Nature and Scope of Elementary Education, 2. Constitutional Provisions for compulsory Elementary Education, 3. Quality, Quantity Equity realizing UEE, 4. Problems in Elementary Education, 5. Recent policies and Initiatives of Government of India for the growth and development of Elementary Education

Teacher Education

1. A brief history of Teacher Education in India
2. Policies, practices and quality assurance in teacher education
3. National level organization for Teacher Education
4. Accountability, professional ethics and Teacher organizations
Community Education

1. Nature and Meaning of Community in different socio-Economic and Cultural Context
2. Relationship between school and community
3. Community and School Governance
4. Strategies for Community Mobilization
5. Role of teacher in bringing Co-ordination between School and Community.