DETAILED SYLLABUS FOR THE POST OF LECTURER IN SURVEYS AND ANALYSIS (KERALA GENERAL EDUCATION (DIET)) - DIRECT RECRUITMENT AND BY TRANSFER RECRUITMENT

(CAT.NOS: 392/2022, 393/2022)

PART I - General Subject (50 Marks)

Module 1 : Community Engagement – Resources & Practices

Total: 10 Marks

Unit 1: Community Resources

Resources that enhance or facilitate the lives of people in a community - examples of community resources are factories, educational institutions, cinema halls, libraries, religious places, hospitals, community centers, parks, etc - make use of these resources in education as it develops a sense of value and belonging among students.

Unit 2: Community Engagement

Community Engagement in Education - and symbiotic relationship that exists between communities and Education Institutions - sustainable networks, partnerships, communication media, and activities - Linking formal learning and the local community

Unit 3: Forms of community engagement

Community-student engagement -Researching with the community, sharing knowledge with the community, Designing new curriculum and courses, Involving local practitioners as trainers, Social Innovation by students and the like

Unit 4: Practices for Community engagement

Engagement practices and activities - formal or informal - include building relationships through collaboration initiatives, community campaigns, Community Survey, Community services, Excursions, cooperatives, small businesses, consultation meetings & conferences, sports events, cultural events, community development and community research projects.

Unit 5: Rural Community Development

Social, economic, political and cultural framework of the rural society - Rural Resilience - Rural Institutions Close to Community, Participatory Learning - Approaches and Methods, Community Project Proposals and Project Management, Community living camps, Engagement with - School, Street Committee, Health Centre, Panchayat, SHGs - Programmes

Module II : Syllabus for General Subject - ICT in Education

Total: 10 Marks

Unit 1: Potentials of ICT in Education

ICT as a means to connect with the world – Pedagogy and ICT – Potentials and Advantages of Approaches to ICT

Unit 2: ICT integration in Curriculum transaction

Computer based Curricular planning- ICT Based Model of Curriculum Transaction - Considerations for integrating ICT – Innovations in Curriculum Transaction

Unit 3: ICT and Internet Resources for Teaching and Learning

Resources – Access and Creation, resource mobilization – Web-based learning, Social Networking –Virtual learning Environment - Designing e-initiatives

Unit 4: ICT in Classrooms

Creating Personal learning environments - ICT integrated Inclusive education - Assistive and Adaptive technologies

Unit 5: ICT for Assessment and Evaluation

Purposes and Techniques of Evaluation, Scope of ICT for evaluation- Innovative Practices in Assessment & Evaluation

Module 3 : PERSPECTIVES OF EDUCATION (10 Marks)

PHILOSOPHICAL PSYCHOLOGICAL AND SOCIOLOGICAL PERSPECTIVES OF EDUCATION

Philosophical perspectives of Education

Role of education in philosophizing the issues of life –Metaphysics, Epistemology, Logic, Phenomenology, Aesthetics and Axiology. Critical appraisal of schools of philosophy in the context of Twenty First Century – aims, content, methods and ongoing changes.

Focus of education in the 21st century. Building perspectives on educational philosophies, Modern schools of Philosophy-Empiricism, Positivism, Relativism.- Post -structuralist views and eclectic views. Comparative study of philosophies and educational contributions of Indian and western thinkers

Psychological **perspectives** of education

Learning and development- Learner Characteristics and Learning styles with special reference to pre- primary, primary, secondary, higher secondary and adult learners Learning in twenty first century classrooms., Characteristics And types, Development – language development, emotional, moral, motor and identity development. Cognitive Functions-Thinking, Reasoning, Problem Solving and Meta-cognition, Personality- types characteristics and development

Intelligence-different types~ Multiple, Cultural, social and emotional, impact on learners. Mental Health-, Factors affecting Mental Health (parents, family environment, society, school practices) - Strategies for enhancing Mental health

Sociological perspectives of education

Education for social security, wellness and progress, sustenance and transformation in society. Determinants of social change in the context of globalization.-Constraints on social change in India with respect to caste, ethnicity, class, language, religion, gender, regionalism, political interest

Education and Secularism - Role of teacher in inculcating democracy and international values.- Pluralism – Role of education in creating unity in diversity- Nationalism and education.-Role of Education in addressing cultural lag, privatization, globalization and partnership in social progress – Current trends in social development and transformation of values in society.

Module 4 : Teaching aptitude (10 Marks)

Teaching aptitude.

- Teaching -characteristics, levels, phases and maxims
- teaching methods, techniques and strategies
- modern trends in professional development and ethics
- technology integration in education

- Research, evaluation and innovations in classroom teaching, -

Module 5 : Research Aptitude (10 Marks)

- Research Meaning, Characteristics and Types

- Steps to Research

- Methods of Research

- Aims of Educational Research

- Research Ethics

- Research paper, Article, Workshop, Seminar, Conference and Symposium

- Thesis writings – its characteristics and Format

PART II (50 Marks)

Concept of Evaluation

Meaning, scope and characteristics of evaluation, Distinction between Measurement and Evaluation, formative evaluation, summative evaluation, internal evaluation, continuous and comprehensive evaluation. Grading for assessment, Types of grading. Quality benchmarks – Eligibility tests like NET, SET, TET, etc.

(Score: 10)

Data collection

Nature and types of educational data, scales of measurement, classification of data - primary data & secondary data, qualitative data & quantitative data. Tabulation of data, raw data, frequency data, graphical representation of data.

(Score: 8)

Tools and Techniques for collecting data

Characteristics of good assessment tool. Different tools and techniques for collecting data - Tests, Checklist, Anecdotal record, Cumulative record, Questionnaire, Rating scale, Inventory, Observation, Interview, sociometry, Focus group discussion, and projective techniques. Need for standardisation of tools, Standardisation procedure.

(Score: 10)

Statistical inference

Procedure for analysis of qualitative data- Triangulation, cross validation, meta-analysis. Testing of hypotheses, one tailed and two tailed tests. Parametric and non-parametric tests. Percentage analysis, t-test, chi square test, ANOVA and ANCOVA. Concept of correlation,

Types of correlation, Correlation coefficient and its interpretation. Errors in statistical inference-Standard error and Sampling error. Software for analysis of statistical data – SPSS, R, etc.

(Score: 12)

Research in Education

Meaning, need, significance and characteristics of research in education, steps in conducting research in education, methods of research: Survey, Experimental, Descriptive, Historical, Action research, and Case study. Research questions, variables, hypotheses, population, sample, sampling techniques. Reporting of a research study, research ethics.

(Score: 10)

NOTE: - It may be noted that apart from the topics detailed above, questions from other topics prescribed for the educational qualification of the post may also appear in the question paper. There is no undertaking that all the topics above may be covered in the question paper