

Centre for Education
Ph. D syllabus for Entrance Test

1. Learning: identification of learning needs and transfer of learning in different situations, behaviouristic, cognitive and social perspectives of learning with special reference to Bruner, Bandura and Gagne's Hierarchy of learning.
2. Memory, Remembering and Forgetting: concept and their effect on learning
3. Intelligence: measurement of intelligence through verbal, non- verbal, individual and group tests, concept and measurement of multiple intelligence, emotional and spiritual intelligence: IQ, SQ and EQ.
4. Defense Mechanisms used in day to day life for good mental health: Substitution, Withdrawal, Compensation, Sublimation, Rationalization, Projection, Reaction Formation, Regression and Fixation
5. Cognitive process: concept formation, logical reasoning, problem solving and creative thinking
6. Reflection of Sociological theories on education: Functionalist, Conflict, Interactionism and Postmodernism
7. Equality in educational opportunity: critical analysis of the ways in which schooling contribute to social equality.
8. Multicultural and a multilingual society: challenges and role of education to meet the challenges.
9. Quantitative and qualitative approaches to research: significance of research in education and challenges
10. Hypotheses: meaning, characteristics, types, formulation and testing, significance levels and errors.
11. Sampling: sampling frame, sample size, characteristics of a good sample types; probability and non- probability sampling designs and criteria of selection
12. Tools and techniques for Qualitative and Quantitative data collection: Types, construction, administration, scoring and uses
13. Validity: concept and nature of validity, major considerations of validity- content, criterion and construct, factors influencing validity
14. Reliability: concept and nature of reliability, methods of estimating reliability- test-retest, equivalent forms, split-half, Kuder-Richardson and inter-rater method, standard error of measurement and factors influencing reliability measures
15. Education for Sustainable Development: Concept. Meaning, Principles and Strategies of Sustainable Development, Role of Education in Sustainable Development and Education as an investment
16. Teaching: meaning, principles and maxims of teaching. Strategies of teaching: Teacher-centred, and learner-centred, Levels of Teaching and Phases of Teaching.

17. Classroom Management: meaning, principles, handling large and small classes. techniques of classroom management.
18. Emerging Challenges and Issues in current Educational System in terms of Access, Equity and Quality of Education at all the levels of Education with reference to gender, regional and disadvantaged groups
19. Current status of Secondary Education in terms of enrolment, retention. Present practices, trends and issues in Secondary education of India
20. Digital Learning: meaning, concept and application in classroom, using technology to connect, collaborate, curate and create.
21. Curriculum: meaning, nature, components of curriculum-objectives, content, learning experiences, transaction mode and evaluation.
22. Bases of Curriculum Development-Philosophical, Sociological and Psychological
23. Classroom strategies for dealing with students having poor mental health
24. Total quality management (TQM), SWOT analysis
25. Leadership Roles: Challenges and Perspectives; Leadership for the learning community, developing insights, Values, vision and moral purpose in educational leadership - Leading and managing educational change and improvement