

Kadi Sarva Vishwavidyalaya, Gandhinagar

PART-1 (BASIC AWARENESS AND APTITUDE ON RESEARCH) – 50 Marks

PART-2 Syllabus for Ph.D Entrance Test: Education (Marks-50)

Unit:1 Psychological Foundations of Education 25%

- 1.1 Process of Growth and Development, Physical, social, emotional and intellectual, Development of concept formation, logical reasoning, problem solving and creative thinking; language development
- 1.2 Theories of learning – Thorndike is connectionism; Pavlov’s classical and Skinner’s operant conditioning; Learning by insight; Hull’s reinforcement, theory and Tolman’s theory of learning;’ Lewin’s – Field theory, Gagne’s Hierarchy of LearningContext of Teacher Education in Indian Scenario
- 1.3 Intelligence – Its theories and measurement, Factors Influencing Learning, Learning and Motivation, Transfer of learning and its theories.
- 1.4 Psychology and education of exceptional children – creative, gifted, backward, learning disables and mentally retarded
- 1.5 Personality – type and trait theories – measurement of personality , Mental health and hygiene – process of adjustment, conflicts and defense mechanism, mental hygiene and mental health.

Unit:-2 Philosophical and Sociological Foundations of Education 25%

- 2.1 Relationship of Education and Philosophy
- 2.2 Indian and western Schools of Philosophy
- 2.3 Relation of Education with Social Change and Socialization
- 2.4 Sociology and Education and Equality of Educational Opportunities at different levels of education
- 2.5 Social Stratification and Social Mobility

Unit: 3 ICT in Education 25%

3. 1 Concept, Need and Importance of ICT in Education and Research

- 3.2 Computer, Hard-wares, Soft-wares (System Soft-wares and Application Soft-wares), Networking
- 3.3 E – Learning and Multimedia
- 3.4 Internet in Education, Online Courses, Educational Portals
- 3.5 Programmed Learning Material and Self Learning Material

Unit: 4 Educational and Mental Measurement and Evaluation 25%

- 4.1 Concept, Need, Types and Importance of Evaluation and Measurement
- 4.2 Different types of Questions, Exams and tests
- 4.3 Construction of Psychological Test (Including Reliability ,Validity and Establishment of Norms)
- 4.4 Testing of Intelligence, Attitude and Aptitude
- 4.5 Measuring Personality and interest