

Ph.D. Entrance Test Syllabus for Ph.D. in Education

The PET (Ph.D. Entrance test) for Ph.D. in Education consist of two parts:

- Part I: Research Methodology (50 marks) and
- Part II: Subject Specific (Related to the branch for 50 marks)

Total Marks for Ph.D. Entrance Test: 100 Marks

SYLLABUS

PART I – Research Methodology (50 Marks)

UNIT I Basics of Research

1. Meaning, Need, Characteristics and Scope of Educational Research, Sources of Knowledge
2. Types of Research – Fundamental, Applied, Action Research
3. Review of literature - Importance, Sources, Steps in Reviewing Literature
4. Emerging Trends in Educational Research

UNIT-II Methods of Research

1. Historical - Sources of Data, Internal and External Validity
2. Descriptive - Surveys, Case Study, Developmental, Co- Relational and Ex-Post-Facto Research
3. Experimental- Research Designs - Pre, Quasi, and True Experimental Research, Internal and External Validity of The Experiment
4. Ethnographic Research, Mixed Method

UNIT III Sampling, Tools, and Statistical Methods

1. Sampling - Concept of Population and Sample, Method of Sampling: Probability and Non- Probability
2. Hypothesis – Meaning and Importance - Characteristics of Good Hypothesis, Types
3. Tools & Techniques – Characteristics of A Good Research Tools - Questionnaire, Interview, Observation, Psychological Test, Sociometric Techniques, Attitude Scale, Inventories

4. Statistical Methods - Measurement and Levels, Central Tendencies, Parametric and Non-Parametric Techniques of Analysis

UNIT IV Report Writing

1. Characteristics Of a Good Research Report, General Format of a Research Report,
2. Citation Plagiarism Guidelines
3. References Bibliography
4. Research Ethics - Ethics in Conducting Research Copyright, Plagiarism Originality of Research Work

References:

- Best JW and Kahn research in Education (9th Ed. Prentice of India, Pvt, Ltd, New Delhi,1982
- Chandra, Shivendra Sofi., & Sharma, K. Rajendra, (2004). Research in education. New Delhi: Atlantic Publishers and Distributors.
- Garrett H.E. Statistics in Education and Psychology (Yakills Fitter &~~ Ltd., Bombay, 1973)
- Good, Carter, V. (1963). Introduction of educational research. New Delhi: Appleton century crafts.
- Koul, Lokesh, (1984). Methodology in educational research. New Delhi: Vani Educational Books.
- Tuckman Bruce W: Conducting educational Research (Harcourt Brace Javanovich, Inc. New York, 1978)



MIT-WPU

॥ विश्वशान्तिर्ध्रुवं ध्रुवा ॥

PART II Subject Specific – Education (50 Marks)

UNIT I Educational Psychology

1. Concept: Meaning, Nature, Scope, And Function of Psychology, Heredity and Environment, Growth and Development at Different Stages
2. Theories – Thondike Theory of Learning, Piaget and Bruner’s Cognitive Development, Maslow’s Theory of Motivation, Erikson, Bandura and Vygotsky’s Theories of Social Development, Kohlberg, Pajet’s Theories Of Moral Development, Pavlov’s Classical And Skinner’s Operant Conditioning; Learning By Insight
3. Factors Affecting Learning - Transfer of Learning, Memory, Forgetting and Imagination, Interest, Intelligence, Aptitude, Attitude, Creativity, Personality,
4. Adjustment And Mental Health - Process of Adjustment. Conflicts And Defence Mechanism, Mental Hygiene and Mental Health

UNIT II Philosophical & Sociological Foundations –

1. Indian Schools of Philosophy: Sankhya, Vedanta, Buddhism, Jainism, Islamic traditions with special reference to the concept of knowledge, reality and values and their educational implications. Contributions of Vivekananda, Tagore, Gandhi, and Aurobindo, JK Krushnamurty to educational thinking.
2. Western Schools of Philosophy: Idealism, Realism, Naturalism, Pragmatism, Existentialism, with special reference to the concepts of knowledge, reality and values their educational implications for aims, curriculum and methods of education.
3. Sociology of Education: Concept, Nature, and Scope; Relationship between Education and Society; Concept of Social Organization, Social Groups, Social Stratification, and Relation to Education - Social Mobility and Social Change; Major factors in the process of Social Change
4. Agencies of Education for Socialisation: Family, School, Community and State - Religion- Meaning and characteristics and relation to education; Culture- Meaning and Nature; Role of Education in cultural context; Education and cultural change. Equality of educational opportunities; Education of deprived groups-SC, ST, Disabled, Gender, Minority groups, Social, Cultural and Economic - Directive principles of constitution, Articles related to education, RTE-2009, Education for national integration and international understanding

UNIT III Educational Leadership & Management

1. Introduction To Management- Concept, Characteristics, Functions of Management. Theories Of Management – Peter Drucker, Fayol, Taylor.
2. Resource Management – Human Resource Management, Records and Registers, Financial Management, Material Resource Management
3. Leadership In Educational Administration: Meaning and Nature Of Leadership Theories Of Leadership Styles Of Leadership Measurements Of Leadership, Decision Making
4. Quality In Education – TQM, Supervision and Inspection, PTA, School Climate, Challenges In Management.

UNIT IV Guidance and Counseling

1. Concept, Need and Importance of Guidance And Counselling. Difference Between Guidance & Counseling, Types of Counseling, Steps of Counseling, Organizing Guidance Services At Different Levels Of Education, Occupational Information,
2. Tools And Techniques of Guidance—Standardized Tests (Personality Inventories, Aptitude, Intelligence, Interest Inventories), Non-Standardized Tests (Rating Scale, Interview, Questionnaire, Case Study, Anecdotal Records)
3. Counselling For Special Education- Hearing Impaired, Visual Impaired, Slow Learners, Learning Disability, Physically Handicapped, Cerebral Palsy, ADHD, Autism, Mentally Challenged, Gifted.
4. Inclusive Education – Concept, History, Need, Challenges, Infrastructure Requirement, Teachers Role, Strategies for Inclusive Classroom.

UNIT V Educational Evaluation

1. Evaluation – Concept, Need and Importance, Types, Principles, Blooms Taxonomy
2. Tools Of Measurement - Subjective and Objective Tools, Essay Test, Objective Test, Scales, Questionnaires, Schedules, Inventories, Performance Tests.
3. Characteristics Of a Good Measuring Instrument: Validity Reliability Norms Usability, Etc. Test Standardization. Norm-Referenced and Criterion-Referenced Tests. Scaling Standard Scores. Measures Of Central Tendency, Measures of Variability, Normal Probability Curve

4. New Trends in Evaluation – CBCS, Outcome Based Education, Grading System, Use Of Computer In Evaluation.

UNIT VI Teacher Education and Higher education

1. Basics Of Teacher Education: Meaning, Concept, Scope, Historical Development, Elementary, Secondary and Teacher Education at Higher Level, Privatization, Globalization and Autonomy in Teacher Education, Problems in Teacher Education, Use of ICT In Education
2. Professional Development: Professional Code of Ethics for Teacher Educators, Performance Appraisal, Trends in Research in Teacher Education, Innovative Practices in Teacher Education.
3. Concept Of Higher Education: Concept and Purposes and History of Higher Education in India, Agencies and Their Functions in Higher Education: UGC, DST, ICSSR, ICMR, IISER, ICAR, AICTE, NCTE, RCI, NAAC., Issues and Problems in Higher Education
4. Higher Education Management - Types of Universities- Central, State and Private, University Management and Autonomy, Constitutional Provision and Legislation for Universities

References:

- Best, JW. and Kahn research in Education (9th Ed. Prentice of India, Pvt, Ltd, New Delhi,1982
- Bhatia, K.K.(2001). Foundation of Teaching Learning Process, Ludhiana: Tandon Publishers.
- Bhatt, N. (2006) Higher Education Administration and Management: Sublime Publications.
- Castaldi, B.(1987) Educational Facilities : Planning, Modernization and Management, Boston :Allyn and Bacon.
- Bhargava, M. (1994), Introduction to exceptional Children, Sterling Publishers.
- D. Bhatia, D.K. Walia, J.C. Mangaland T.E. Datt., - Educational Psychology Doaba House, Delhi.
- Dandekar, W.N. (2007).Evaluation in Schools. Pune: ShreeVidyaPrakashan.

- Garrett, H.E. (2008). Statistics in Psychology and Education. Delhi: Surjeet Publication.
- Gore M C (2004). Successful Inclusion strategies for secondary and middle school teachers, Crowin Press, Sage Pub
- Kochar, SK (2011), School Administration and Management, Sterling publishers private Limited, New Delhi
- Kuriz Albert J. and Samuel T. Mayo, Statistics in Education and Psychology (Narousa Publishing House, New Delhi, 1981)
- Mangal, S.K.(1984). Psychological Foundation of Education. Ludhiana: Prakash Publishers
- Mangal, S.K. (2002). Essentials of Teaching Learning and Information Technology, Ludhiana: Tandon Publishers.
- Mangal, S K. Statistics in psychology and education, PHI learning Delhi
- Mangal, S.K.Educational Psychology, Tandon Publications, Ludhiana.
- Mangal, S.K. (2007). Essential of Educational Psychology. New Delhi: Prentice Hall of India, Private Ltd. Mani, R.S.(2007).
- Patel, R.N. (2011). Educational Evaluation Theory and Practice. Mumbai: Himalaya Publishing House Pvt. Ltd.
- Rawat, D. S. (1970).Measurement, Evaluation and Statistics in Education., New Delhi: New Raj Book Depot.
- Sidhu, K.S. (2009). New Approaches to Measurement and Evaluation. New Delhi: Sterling Publishers Pvt. Ltd.
- Sharma, R.A. (2006). Fundamentals of Special Education: Integrated Teaching for Mainstreaming. Meerut: Surya Publication
- Shaida, B D Safaya R N (2003) Modern School Administration and Organisation, DhanpatRai Publishing company
- Walia, 1. S. (2003). Educational Technology. Jalandhar: Paul