

IASE Deemed University
Gandhi Vidya Mandir, Sardarshahr
Combined Entrance Test for M.Phil./Ph.D. : 2012-13

Duration: 2 Hours

Written test:

Max. Marks : 300

Viva-Voce:

Max. Marks : 30

SYLLABUS

The question paper will contain 100 Multiple Choice Questions of 3 marks each. Answers will be made on OMR sheet. Question papers in Science subjects will be in English and rest, other than those of languages, will be both in English and Hindi.

Education

1- Philosophical & Sociological Foundations of Education 75 marks

Relationship of Education and Philosophy

Western Schools of Philosophy:

Idealism, Realism, Naturalism, Pragmatism, with special reference to the concepts of knowledge, reality and values their educational implications for aims, contents and methods of education.

Indian Schools of Philosophy (Sankhya, Vedanta, Geeta, Budhaism, Jainism, Islamic traditions) with special reference to the concept of knowledge, reality and values their educational implications

Contributions of Vivekananda, Tagore, Gandhi, Swami Keshwanand and Aurobindo to educational thinking.

National values as enshrined in the Indian Constitution and national policies of Education, Education for Values.

Relationship of Sociology and Education

Education – as a social sub-system – special characteristics

Education and the community with special reference to Indian society

Education and Modernization

Education and Culture

Education and Democracy

Education as related to social stratification and social mobility

Education of the socially and economically disadvantaged sections of the society with special reference to scheduled caste and scheduled tribes, rural population, education for gender equity.

Reference Books:

1. Alterchar, A.S : Education in Ancient India, Book Sho Varanasi 1934.
2. Aurobind and Mother: On Education. Shri Aurobindo Ashram Pandichery house, 1966.
3. Bhaum, Archia -1 : Philosophy, An Introduction, Bombay, Asia Publishing House, 1962
4. Brameld Theodore: Culture Foundation of Education an interdisciplinary Expiration New York, Harpper and Bross 1957
5. Brubacher, J.S : Modern Philosophies of education (3rd) New York, Mc Graw Hill 1962.

6. Brubacher, J.S : An Electric Philosophy of education (2nd Ed)
7. Bulter, I.D : Four philosophy, (3rd Ed.) New York, Harper & Bross, 1969
8. Chatterji S.C&Datta D.A : An Introduction to Indian Philosophy, Kolkata.Kolkata University Press, 1955.
9. Dewey Hohm : Democracy & Education , New york, Mac Millan & Co. 1940
10. Durant, Will: The story of philosophy, London Estern Bonn. 1955.
11. Harighurst . Robert J : Society and Education Bostern Acligh and Neugarten Bermicc and Bacon Inc, 1957.
12. Haralamobs, M with R.M Herld: Sociology : Tje es & Perspectives, Oxfors University, Press Delhi, 1981.
13. Hocking W.B. : Types of Philosophy, New York, Chanless Sribers sons, 1957,
14. Joad, C.E.M.N. : Modern philosophy , London Charendon Press. 1953.
15. Johnston, Herbert: A Philosophy of Education New York Mc Graw Hill Book Co. Inc. 1963
16. Kabir, Humayun: Indian philosophy of education, Mumbai, Asia Publishing House 1962.
17. Kanelloer G.F : Einstein Halism and education, John willey and sons, Inc New York, 1955,
18. Lodge R.C.: Philosophy of Education, New York Harper & Bross, 1947.
19. Magill F.W. (Ed.): Master Pieces of worked philosophy (in summary from) The Hukhinston University Liba London 1965.
20. Manning Chapro: The Story of Indian Philosophy. Kolkata Sushil Gupta.
21. Max Muller F: The Six System of Indian Philosophy Kolkata, Sushil Gupat.
22. Momis. V.C. Modern Movement in Education Philosophy, Honghation Miffine Co. Buster, 1969..
23. Mukherji, H.B. Education for fullness Asia publ. House, New Delhi, 1962.
24. Mukherji, R.K. : Ancient Indian Education London Macmillan Co, 1947.
25. Munshi Ram : Vaidiki Granthan Kanpur., (Samvat 20).
26. Nacess A: Four Modern Philosophies by Alastain Hanny. The University of Chicago Press. 1969.
27. N.S.S.E: 41 st and 54th Year book University of Chicago Press. 1942-54.
28. Paliwal M.N.R. Social Change and Education Upper Publishing House. New Delhi. 1984.
29. Part joe (Ed). Selected reading in the Philosophy of Education New York The MacMillan and Co. 1962.
30. Sharma, Govind, Swami Keshwanand, Rajasthan Swarnjayanti Samaroh Samiti, Rajasthan Hindi Granth Academy, Jaipur

2- Psychological Foundations of Education

75 marks

Relationship of Education and Psychological

Process of Growth and Development

- Physical, social, emotional and intellectual
- Development of concept formation, logical reasoning, problem solving and creative thinking; language development
- Individual Differences – determinants; role of heredity and environment implications of individual differences for organizing educational programmes

Intelligence – its theories and measurement

Learning and Motivation

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 learning
- Factors influencing learning
- Learning and motivation
- Transfer of learning and its theories

Psychology and education of exceptional children – creative, gifted, backward, learning disable and mentally retarded

Personality – type and trait theories – measurement of personality

Mental health and hygiene – process of adjustment, conflicts and defence mechanism, mental hygiene and mental health. Sex Education Guidance

Reference Books:

1. Bernard, Harold W. Psychology of Learning and Teaching McGraw Hill Book Co., New York, 1965.
2. Bigge, and Hunt, Psychological Foundation of education An Introduction of Human Development and Learning, Harper & Raw New York, 1956.
3. Bloom B.S. and other. Taxonomy of Educational Objectives, The Classification and educational goals, Longmans Greenand Co., New York , 1956.
4. Burner, Jeromes, The Process of Educational, Harvard University Press, Cambridge, 1960I.
5. Desse james. Psychology of Learning McGraw, Hill, New York.
6. Hilgard, Earnest R. Theories of Learning, Appleton Century Crofts New York 1956.
7. Hill, Windfred F. Bcarning: A Survey of Psychological Interpretation, 1963, 1963.
8. Kelausmeier J. Learning and human Abilities Educational Psychology. Harper and Raw, New York, 1961.
9. National Society for the study of Education Psychology of Learning 41st Year Book N.S.S.E. Chichago, 1942.
10. Piaget, Jean The Language and Thought of the Child, Roultdge & Ligan Paul, London. 1959.
11. Remmers H. H. and Others : Growth, Teaching & Learning, A Book of Reading, Harper and Raw New York, 1957.
12. Thorpe LB. and Schumuller Allen M. : Contemporary Theories of Learning with Applications of Educational Psychology. Ranald: New York 1954.

3- Educational Technology

75 marks

Fundamental of ET, Concept of ET, Classification of E.T., Concept, Meaning, & Characteristics of Technology, Hardware & Software & system approach, teaching technology. Instruction Technology, Behaviour Technology, Instructional Design Role of NCERT & SIERT in the field of Educational Technology.

Concept, role, characteristic and scope of Multi Media & Mass Media, Multimedia-approach to instruction, criteria for selection of media, Radio, TV, Film Tape Recorder, CD/DVD Player, Computer, LCD Projector etc.

Communication and classroom interaction, Communication in Education and its process, models and impact on Learning, Teaching, Environment technique of encoding and decoding, Interaction Analysis technique, Consent organization interaction by FIACS. T-group Training, Micro teaching, simulated teaching, Action Research, Study of Observation, Schedule and Record (OSCAR), Bale's Interaction Process Categories, Verbal Interaction Category System (VICS), Reciprocal Category System.

Concept of Teaching and instruction, training and learning, classification and specification of Instruction Behaviours, Programming Instruction, CAI, Teaching machine and its developments, concept of education innovation, latest research in education technology, Development of Education Technology in India, new innovation in Educational Technology.

Reference Books:

1. M. Weill, B. Joyee and Kluwoin : Models of Teaching, Englewood Cliff, N.J. Prentice Hall 1972.
2. Lindsay, P and Norman, D.: Human information Processing : An Introduction to Psychology, N.Y. Academic Press, 1973.
3. Eggen Kauchak and Harder : Strategies for Teachers: Information Processing Models in the classroom, N.J. Prentice Hall, INC 1979.
4. Taba, H.: Teaching Strategies and Cognitive Functioning in Elementary School Children, D.C. USOE, Washington, 1995.
5. Ausubel, D.: Use of Advance Organizers in the earning and retention of meaningful material, Journal of Educational Psychology, 1960-61.
6. Suchman : Inquiry Development Programme Development Inquiry, Chicago, Scientific Research Associates, 1966.
7. Sharma, R.A.: Advanced Educational Technology, Meerut.
8. Sanpath ; Panneerselvam and Santhanam ; Introduction to Education Technology : Sterling Publishers Pvt. Ltd., : 1984.
9. Saxena & Oberoi ;Essential of Education Technology and Management : R.Lal Book Depot
10. Sharma Dr. Sandeep, Shiksha Takniki, Shiksha Prakashan, Jaipur 2006

4- Methodology of Educational Research

75 marks

Nature and Scope of Educational Research

Meaning and nature

Need and purpose

Scientific Inquiry and Theory Development – some emerging trends in research

Fundamental – Applied and Action research

Formulation of Research Problem

Criteria and sources for identifying the problem

Delineating and Operationalizing variables

Developing assumptions and hypothesis in various types of research

Collection of data

Concept of population and sample

Various methods of sampling

Characteristics of a good sample

Tools and Techniques

Characteristics of a good research tool

Types of research tools and techniques and their uses

Qualitative and Quantitative Research

Questionnaire –interview – observations

Test and scales, projective and sociometric techniques

Major Approaches to Research

Descriptive Research

Ex-post facto Research

Laboratory Experiment

Field Experiment

Field Studies

Historical Research

Analysis of Data

Descriptive and inferential statistics. The null hypothesis, test of significance, types of error, one –tailed and two-tailed tests

The t-test

The F-test (one- way and ANOVA)

Non-parametric tests (Chi-square test)

Biserial, point-biserial, tetrachoric and phi-coefficient of correlation

Partial and multiple correlations

Reference Books:

1. Corey, Stephen M. : Action Research to Improve School Practice, New York, Bureau of Publication, Columbia University, 1953.
2. Guilford J.P. Fundamental Statistics in Psychology and Education in Psychology and Education, London McGraw Hill Book Co. 1956
3. Seltiz Claire and other : Research Method in Social Research Methods in Social Relation, London Methuen & Co. 1959.
4. Trawers, R.M.W. : An Introduction to Educational & Psychological Research Mumbai, Asia Publishing House.
5. Verma : An Introduce to Educational & Psychological Research, Mumbai Asia Publishing House.
6. Suiiia, S.P. Malhotra, P.V.: Element of Educational Research New Delhi, Allied Publishers.
7. Best, J.W. Research in Education, Engliwood Cliffs, J.N. Prentice Hall 1969.
8. Good W. Hatt P.K. Method of Social Research. London McGrew Hill Book Co. 1962.
9. Whiteny, F.L. : The Elements of Research Bombay, Asia Publishing hOuse.
10. Good : Methods of research, New York, Appleton Century Crofts 1954.
11. Oluier : Research in Education. Gorge Allen and Linwon, 1960.
12. Harris, Chester. W(Ed.) : Encyclopedia of Educational Research New York, MacMillan & Co., 1960.