



JAYOTI VIDYAPEETH WOMEN'S UNIVERSITY, JAIPUR

SYLLABUS

MASTER OF ARTS IN EDUCATION

YEAR - 2017

DURATION - 2 YEARS (4-SEMESTERS)

**SYLLABUS FOR:
I-II SEMESTER**

FACULTY OF MANAGEMENT AND HUMANITIES

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**Program summary
M.A. (Education)**

SEMESTER I

Nature of Course	Course Name	C	T	D&T	P	PS
Education	Philosophical Foundations of Education -I	8	7	0	0	1
Education	Psychological Foundations of Education-I	8	7	0	0	1
Education	Sociological Foundations of Education-I	8	7	0	0	1
Education	Methodology of educational research & educational statistics –I	8	7	0	0	1
Education	Information and Communication Technology in Education -50 (Practical)	4	3	0	0	1
University Compulsory Course	Curriculum Training & Exposure	1	0	0	1	0
	COMMUNITY DEVELOPMENT ACTIVITIES	1	0	0	1	0
University Optional Course	PROFESSIONAL ACTIVITY	-	-	-	-	-
Total Credits:		38	31	0	2	5

Note:

- C represents number of Credit per Course
- T represents number of lectures per course
- D & T represents number of Demo & Tutorials per Course
- P represents Practice of GD and Seminar
- PS represents practice session

Program summary

SEMESTER II

Nature of Course	Course Name	C	T	D&T	P	PS
EDUCATION	Philosophical Foundations of Education –II	8	7	0	0	1
EDUCATION	Psychological Foundations of Education -II	8	7	0	0	1
EDUCATION	Sociological Foundations of Education-II	8	7	0	0	1
EDUCATION	Methodology of educational research & educational	8	7	0	0	1
EDUCATION	Educational Measurement and Evaluation 50 (Practical)	4	3	0	0	1
University Compulsory Course	Women Rights & Law (WRL)	1	1	0	0	0
	Curriculum Training & Exposure	1	0	0	1	0
	COMMUNITY DEVELOPMENT ACTIVITIES	1	0	0	1	0
University Optional Course	PROFESSIONAL ACTIVITY	-	-	-	-	-
Total Credits:		39	32	0	2	5

Note:

- C represents number of Credit per Course
- T represents number of lectures per course
- D & T represents number of Demo & Tutorials per Course
- P represents Practice of GD and Seminar
- PS represents practice session

Program summary

MA (Education)
SEMESTER I

Nature of Course	Course Name	C	T	D&T	P
Philosophical Foundations of Education -I	Educational Philosophy	3	3	0	0
	Indian Schools of Philosophy of Education	2	2	0	0
	Western Philosophy of Education	2	2	0	0
	10 practice sessions for- Nature of knowledge and knowledge getting process	1	0	0	10 Sessions
Psychological Foundations of Education-I	Concept of Educational psychology	3	3	0	0
	Human Development	2	2	0	0
	: Psychology of Individual Differences	2	2	0	0
	10 practice session for - Moral development, Development of attitudes and values.	1	0	0	10 Sessions
Sociological Foundations of Education-I	Concept and scope of Educational Sociology	3	3	0	0
	: Social structure and Education	2	2	0	0
	Culture and Education	2	2	0	0
	10 practice sessions for - Role of Education in the cultural context	1	0	0	10 Sessions
Methodology of educational research & educational statistics –I	Nature and scope of Educational Research	3	3	0	0
	Formulation of Research Problem	2	2	0	0
	Collection of Data	2	2	0	0
	10 practice sessions for- characteristics of good research tool	1	0	0	10 Sessions
Information and Communication Technology in Education -50 (Practical)	Fundamentals of Information Technology and Computers	1	1	0	0
	Pedagogical Skills with MS Word	1	1	0	0
	Pedagogical Skills with MS Excel	1	1	0	0

	10 practice sessions for- Concept, Kinds, Components, Hardware system, Software system;	1	1	0	0
University Compulsory Course	Curriculum Training & Exposure	1	0	0	1
	COMMUNITY DEVELOPMENT ACTIVITIES	1	0	0	1
University Optional Course	Professional Activities	-	-	-	-
Total Credits		38			

SEMESTER II

Nature of Course	Course Name	C	T	D&T	P
Philosophical Foundations of Education – II.	Educational Philosophers of Modern Age	3	3	0	0
	National Values and Education in Indian	2	3	0	0
	Radical thoughts in Education	2	3	0	0
	10 practice sessions for- Indian Constitution and their Educational implications	1	0	0	10 Sessions
– Psychological Foundations of Education -II	: Psychology of Learning	3	4	0	0
	Psychology and Education of Exceptional Children	2	2	0	0
	Guidance and Counseling	2	3	0	0
	10 practice sessions for l. concept of remedial teaching (for learning disabled children).	1	0	0	10 Sessions
Sociological Foundations of Education- II	Social principles and Education	3	4	0	0
	Emerging Sociological Issues in Indian Education	2	2	0	0

	Indian Society and Education	2	3	0	0
	10 practice sessions for- Need for attitudinal change and role of Education	1	0	0	10 Sessions
Methodology of educational research & educational statistics –II	Educational Data and Descriptive Statistics	3	3	0	0
	Probability distribution	2	3	0	0
	: Statistics Inferential	2	3	0	0
	10 practice sessions for- Concept of Regression and Prediction, and Regression Equation.	1	0	0	10 Sessions
Educational Measurement and Evaluation-50 (Practical)	The Measurement and Evaluation Process	1	1	0	0
	Tools, Models and Techniques of Measurement and Evaluation	1	1	0	0
	Acquaintance with some Psychological tests used in the Field of Education	1	1	0	0
	10 practice sessions for The status of educational measurement in India	1	1	0	0
University Compulsory Course	Curriculum Training & Exposure	1	0	0	1
	COMMUNITY DEVELOPMENT ACTIVITIES	1	0	0	1
	WOMEN RIGHTS & LAW(WRL)	1	1	0	0
University Optional Course	Professional Activities	-	-	-	-
Total Credits		39			

Note:

- C represents number of Credit per Course
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- D & T represents number of Demo & Tutorials per Course
- P represents Practice of GD and Seminar
- PS represents practice session

SEMESTER I

PAPER-I **Philosophical Foundations of Education -I**

Credit:8

Unit I (Educational Philosophy)

Credit3

Meaning of Education and Philosophy ; Nature and scope of Educational philosophy ;
Relationship between Education and philosophy; Need for Educational philosophy;
Nature of knowledge and knowledge getting process

Unit II (Indian Schools of Philosophy of Education)

Credit-2

Naya, Sankhya, and Vedanta with special reference to knowledge, reality, value and educational implications ;
Jaina and Buddhist and Islamic Philosophy and its influence in education.

Unit III (Western Philosophy of Education)

Credit-2

Principles of Administration: Hierarchy, unity of command, Span of Control, Co-Ordination, Delegation & Supervision, Leadership.

Recommended Practice Sessions:

10 practice session for Nature of knowledge and knowledge getting process

Credit: 1

Recommended Text Book:

1. Butler D. J.: Four Philosophies and their practice in Education
2. Sinha J.: Outlines of Indian Philosophies.
3. Rusk R R: Great Educators
4. Mukherji, S P: Great Educators

Suggested Readings:

1. Purkait B R: Milestone in Modern Indian Education
2. Sharma R : Great Educators
3. Wring, Calin:Democracy, Schooling and Political Education
4. Value Education: NCERT
5. Taneja V R: Educaional Thought and Practice

PAPER-I I Psychological Foundations of Education-I

Credit: 8

UNIT I (Concept of Educational psychology)

Credit: 3

. Meaning, Nature, Scope and Methods of Educational Psychology ; Interrelationship between Education and Psychology ; Major schools of Psychology and their contribution towards Education –
(i) Structuralism, (ii) Functionalism, (iii) Behaviorism, (iv) Gestalt, (v) Psychoanalysis and (vi) Hermic.

UNIT II (: Human Development)

Credit: 2

Development--- Concept, stages, Dimensions, Methods of study and Developmental tasks; Trends and patterns of development –Physical, Cognitive, Social and Emotional ; Other development issues --- concept formation, Problem solving, Language development, Moral development, Development of attitudes and values.

UNIT III (Psychology of Individual Differences)

Credit:2

Concept of intra and inter differences, relevant attributes of Individual Difference, role of heredity and environment and educational implication ; Intelligence -- Concept, Nature and Theories , Creativity – Meaning and Nature, Fostering creativity and Guiding creative children ; Personality – Concept, Type and Trait ; Recent trends in measuring Intelligence, Creativity and Personality ; Mental Health and Life skills education

Credit: 1

Recommended Practice Sessions:

10 practice session for. Moral development, Development of attitudes and values

Text Book Recommendation

1. De Cocco: Psychology of learning and Instruction
2. Harlock E B: Child Growth and development
3. Klausmer H J: Educational Psychology
4. Skinner CE: Educational Psychology
5. Torrence: Creativity

Suggested Readings:

- 1, Bruce C: Educational Psychology
- 2, Gage and Barlineo: Educational Psychology
- 3, Mangal S K: Advanvced Educational Psychology
- 4, Chauhan S S: Advanvced Educational Psychology
- 5, Flugel : A Hundred Years of Psychology
- 6, . Kakkar S B: Educational Psychology

PAPER-III Sociological Foundations of Education-I Credit: 8

UNIT I (Concept and scope of Educational Sociology)

Credit: 3

Relationship between Sociology and Education ; Meaning and nature of Educational Sociology and Sociology of Education ;
Schools of Sociological thought – Biological, Psychological, Geographistic and Sociologicistic needs, and status of Sociology of Education.
Social organizations and its concepts, Factors influencing Social organizations – Folkways, Mores, Institutions, Values, dynamic characteristics of social organizations and its educational implications.

UNIT II (: Social structure and Education)

Credit: 2

Social interactions and their educational implications – Social group, Inter group relationships – Group dynamics, Social stratification, Social Mobility and its Educational implications;
Social Theories –
i. Factionists – Emile Durkhe
ii. Talcott Person
iii. Marxism,
iv. Integral Humanism (based on Swadeshi) with special reference to social change ;
Education and Society – Education as a process
(i). In social system, ii) of Socialization and iii) of Social Progress

UNIT III (Culture and Education)

Credit: 2

Culture – meaning and nature of culture, Role of Education in the cultural context, cultural determinants of Education, Education and cultural change ;
Problems created by Socio-cultural change and modernization – (i) Cultural Lag and cultural conflict, (ii) Cultural unity and diversity in India, (iii) Need for composite culture) Social change – Meaning and nature of Social change, Constraints on social change in India (with special reference to caste, Class, Language, Religion and Regionalism).

Recommended Practice Sessions

Credit: 1

10 practice sessions for- Role of Education in the cultural context

Recommended Text Book:

1. Dewey J : the school of Society
2. 2. Ruhela K et al: Sociological Foundations of Education in Contemporary India
3. Sharma Y K : Philosophical and Sociological Foundations of Education
4. Prasad J : Education and Society: Concepts, Perspectives and Suppositions

Suggested Readings:

1. Talesra H: Sociological Foundations of Education

2. Sharma k L : Social Stratification in India
- 3 Jayavam N: Sociology of Education in India
4. Maciver and Page: Sociology- An Introductory Analysis

PAPER-IV Methodology of educational research & educational statistics –I Credit: 8

UNIT I (Nature and scope of Educational Research) Credit: 3

Meaning, nature and limitations ; Need and purpose ; Scientific enquiry and Theory development ; Fundamental, Applied and action Research ; Qualitative and Quantitative Research ; Major Approaches to research – Research Design, Descriptive Research, Ex-Post-facto Research, Experimental Research and Historical Research. Ethnography

UNIT II (Formulation of Research Problem) Credit: 2

. Criteria of identifying the problem on the basis of tradition, experience, reasoning (inductive and deductive), empiricism and rationalism ; Types of Sources of information Variables – Nature and types ; Hypothesis – characteristics, types and formulation. It differences with assumption.

UNIT III (Collection of Data) Credit: 2

Directorate of Social Welfare of Rajasthan. Role, Significance and Problems of Social Welfare. Personnel System for Social Administration at Various Levels. Problem of Social Administration in India. Role of National Commission on Human Rights.

Recommended Practice Sessions: Credit: 1

10 practice sessions for- characteristics of good research tool

Recommended Text Books:

1. Best and Khan: Research in education
2. Cohen and Marion: Research Methodology in Education
3. Koul L: Methodology of Educational Research
4. Mangal S K: Statistics in Psychology and Education

Suggested Readings:

- 1,. Thordike R N: Measurement and Evaluation in Psychology and Education
- 2,. Garrett H E: Statistics in Psychology and Education
- 3,. Gilford J P: Fundamental Statistics in Psychology and Education
- 4,. Gupta S P: Statistical Methods

PAPER-V

Information and Communication Technology in Education -50 (Practical)

Credit: 4

UNIT I (Fundamentals of Information Technology and Computers) Credit: 1

IT and the information processing cycle; Fundamentals of Computer System – Concept, Kinds, Components, Hardware system, Software system; Tutorial on Windows – Introduction to Desktop, Opening Windows, Using Mouse & Keyboard, Exploring the computer, Using Windows Help, Organizing Files, Saving the File, Moving Texts & Switching between Programs, Closing an Application, Shutting down the Windows.

UNIT II (Pedagogical Skills with MS Word) Credit: 1

. Exploring knowledge in MS word - Creating, Formatting, Checking spelling & Grammar, Saving & Enhancing a Document, Inserting Table, Creating a Graph from the Table, Adding Headers & Footers, Changing Page Settings;
b. Tutorials to develop Pedagogical Skills - Planning a unit (Higher Order Thinking Skills, Curriculum Framing Questions, Project / Inquiry based learning), Creating a Evaluation Tool, Application of MS Word for Students, Creating Student support materials, Creating Teacher support materials, Creating Organizational Chart, Developing Plans for Implementation.

UNIT III (Pedagogical Skills with MS Excel)

Credit: 1

Exploring knowledge in MS Excel window – Setting up the Spreadsheet to data input and analyze that;. Tutorials to develop Pedagogical Skills in - Setting up of Spreadsheet with Rows and Columns for entering and calculating data, Creating simple calculations, Using built-in formulas in Excel, Formatting a Worksheet & its cells, Using appropriate Charts and Graphs, Creating Student Grade book.

Recommended Practice Sessions: Credit: 1

10 practice sessions for- Concept, Kinds, Components, Hardware system, Software system;

Recommended Text Books:

1. Chand, Tara: Educational Technology
2. Agarwal J C: Educational Technology
3. Sharma Y K: Educational Technology

. Suggested Readings:

- 1,. Sampat: Educational Technology

2,Rao Usha: Educational Technology

3,. Das R C: Educational Technology

SEMESTER II

UNIVERSITY COMPULSORY PAPER

Women Rights & Law (WRL)

Credit-1

Objective: The paper aims at creating awareness as to importance and role of women in society through the medium of law. It also focuses on women welfare laws.

Unit - I: (Meaning of law)

Meaning of law ,Constitutional Safeguards for Women, Right to Equality (Art-14),Life & Personal Liberty, Right to Education (Art-21,21-A), Right against Sexual Exploitation (Art-23,24), Constitutional Remedies (Writs- Art-32-35), Participation in Panchayat and Municipalities, Marriage :

Conditions,Ceremonies,Registration, Restitution of Conjugal Rights, Judicial Separation, Void & Voidable Marriages, Legitimacy of Children of Void & Voidable Marriages, Punishment of Bigamy, Divorce Common Grounds for Divorce, No Petition for divorce within 1year of marriage, Divorced Person when may marry again, Maintenance: Wife, widowed daughter-in-law, Children, Amount of Maintenance , Interim Maintenance, Maintenance Provisions under Cr.PC, Adoption: Requisites of a valid adoption,Capacity of a male Hindu to take in adoption, Capacity of a female Hindu to take in adoption, Persons capable of giving in adoption, Persons who may be adopted, Effects of Adoption,.

(0.5Credit)

Unit - II :(Indian Penal Code)

Indian Penal Code, 1860 Right of Private Defence, Dowry Death, Abetment of Suicide, Cruelty by Husband or Relatives of Husband, Sex Selection & Causing Miscarriage, Hurt & Grievous Hurt, Wrongful Restraint & Confinement, Outraging the modesty of a woman, Kidnapping and Abduction, Offences regarding Prostitution, Rape, Bigamy, Adultery, Domestic Violence, Sex Determination Test - The Medical Termination of Pregnancy Act, 1971, The Pre-Conception and Pre-Natal Diagnostic Techniques Act, 1994, Reproductive Technologies: Meaning, Concept & Challenges of A.I, IVF & Surrogacy, Right of HIV/ AIDS Victims, Introduction to Consumer Protection Act , Tenancy Act, Right to Information Act, Motor Vehicles Act, Intellectual Property Rights, Act & Rules Maternity Benefits Act 1961.

(0.5 Credit)

Recommended Books:

1. Law relating to Women – S.R.Myneni
2. Law relating to Women – Dr. S.C. Tripathi

Suggested Readings:

1. Women and Law – Prof. Nomita Aggarwal
2. Women and Law – Dr. Manjula Batra
3. Women and Law – G.P. Reddy

PAPER-I

Philosophical Foundations of Education –II

Credit: 8

Unit I (Educational Philosophers of Modern Age)

Credit3

R.N. Tagore, , M.K. Gandhi, Swami Vivekananda, Sri Aurobinda, Herbert Spencer, and B.Russell.

Unit II (: National Values and Education in Indian Constitution)

Credit;2

. National Values as enshrined in the Indian Constitution and their Educational implications with special reference to (i) Secularism (ii) Democracy; iii) Equality.

Unit III (Radical thoughts in Education)

Credit;2

Ivan Illich and De-schooling ; Paulo Friere and Conscientisation ; Learning : The Treasure Within (UNESCO,1996)

Recommended Practice Sessions:

Credit: 1

10 practice session for - - Indian Constitution and their Educational implications

Recommended Text Books

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1. Sharma and Sharma: Problems of Education in India
2. Nanda S K :Indian Education and its problems today
- 3 Revised draft on Education Policy, 1986, Programme of Action 1992

Suggested Readings:

1. O'Connor D. J.: An Introduction to the Philosophy of Education
2. Klipatrick: Philosophical Bases of Education
- 3 John Dewey: Philosophy of Education
4. J C Agarwal: Theory and Principles of Education
- 5 S P Chowdhury: Foundation of Education

PAPER-II

– Psychological Foundations of Education -II

Credit: 8

UNIT I (Psychology of Learning)

Credit: 4

Concept, Nature and types, Basic concepts and principles of major theories – Connectionist behaviorist Theories (Thorndike, Pavlov, Hull, Skinner-synoptic views), Cognitive Field Theories (Gestalt, Lewin, Tolman) ;

Gagne;s Hierarchy of Learning Types and Conditions with his own and and other appropriate modification ; Costructivism-Bruner's and Vygotsky Theory of Learning;

Transfer of learning – Concept, Explanation /Theories, Favourable conditions and Methods ;) Remembering and Forgetting – Concept, Categories, Forms/Types and Techniques of raising motivation

UNIT II (Psychology and Education of Exceptional Children)

Credit: 2

. Exceptional learners – Meaning and salient characteristics of mentally retarded, Visually Impaired, Hearing Handicapped, Physically Learning, Learning disabled, Emotionally Disturbed and Gifted Children ;

Educational programmes and placement of the exceptional learners – Nature and objectives of special schools, concept of mainstreaming, Integrated schools and support services, concept of remedial teaching (for learning disabled children).

UNIT III (Guidance and Counseling)

Credit: 3

Concepts principles and Types of guidance and counseling ;
Tools and Techniques of guidance --- Records, Scales and Tests, Interview ;
Organizing guidance service at different levels of Education.

Recommended Practice Sessions:

Credit: 1

10 practice session for- concept of remedial teaching (for learning disabled children).

Text Books Recommendation:

1. Skinner CE: Educational Psychology
2. Torrence: Creativity
3. Bruce C: Educational Psychology
4. Gage and Barlineo: Educational Psychology

Suggested Readings:

- 5 Mangal S K: Advanvced Educational Psychology
- 6 Chauhan S S: Advanvced Educational Psychology
- 7 Flugel : A Hundred Years of Psychology
- 8 Kakkar S B: Educational Psychology

PAPER-III Sociological Foundations of Education-II

Credit: 8

UNIT I (Social principles and Education)

Credit: 3

Social principles in Education – Social and Economic relevance to Education, Socioeconomic factors and their impact on education ;

Education is relation to democracy, freedom, nationalism, national integration international understanding and literacy movement in India ;

Concept of Urbanization, Modernization, Westernization and Sanskritization, Globalization with special reference to Indian society and its Educational implications

UNIT II (Emerging Sociological Issues in Indian Education)

Credit: 2

Educational opportunity and equality Inequality of educational opportunities and their impact on social growth and development ;

Education of the socially and economically disadvantages section of the society, with special reference to schedule caste and schedule tribes, Women and rural population ;

Need for attitudinal change and role of Education.

UNIT III (Indian Society and Education)

Credit: 2

. Indian Social Thinkers – B.K.Sarkar, Radhakamal Mukherjee,

D.P. Mukherjee, G.S. Ghurey, and Contemporary Indian developmental policy and education.

Recommended Practice Sessions:

Credit: 1

10 practice sessions for- concept of remedial teaching (for learning disabled children).

Recommended Text Books:

1 Jayavam N: Sociology of Education in India

2. Maciver and Page: Sociology- An Introductory Analysis

3. Rao C NS: Principles of Sociology with an Introduction to Social thought

Suggested Readings:

4. Brown F J: Educational Sociology

5. shukla and Kumar: Sociological Perspectives in Education

6. Banerji A: Fundamentals of Educational Sociology

PAPER-IV

Methodology of educational research & educational statistics –II

Credit: 8

UNIT I (Educational Data and Descriptive Statistics)

Credit: 3

. Nature of educational data – Qualitative and Quantitative ;
Qualitative data – its analysis with emphasis on content Analysis, Analyses of Interview-based and Observation-based data ;. **Quantitative data** – Scales of measurement – Nominal, Ordinal, Interval and Ratio ;. Organization and Graphical representation of Data – Frequency distribution, Frequency Polygon, Histogram, Ogive and Pie-chart ;. Measures of central tendencies --- Mean, Median, Mode ; f. Measures of variability – Range, Mean Deviation, Quartile Deviation and Standard Deviation ;. Measures of relative position – Percentile, percentile rank and standard score.

UNIT II (: Probability distribution)

Credit: 2

. Concept, characteristics and uses of Normal Distribution ;
Measure of Relationship –Concept and uses of correlation – Product moment, Rank difference and Scatter Diagram Methods ;
Further methods of correlation – Biserial, Point-Biserial, Tetra choric and Phi-Coefficient of Correlations ;. Concept of partial and Multiple Correlations, Concept of Regression and Prediction, and Regression Equation.

UNIT III (Statistics Inferential)

Credit: 2

. Parametric Statistics--- Tests of Significance ---One-tailed and two-tailed tests, Type-I and Type-II Errors, Analyses of Variance and Analyses of Co-variance ;
. Non-Parametric Statistics – Chi-square test and Median Test.

Recommended Practice Sessions:

Credit: 1

10 practice sessions for- - Concept of Regression and Prediction, and Regression Equation.

Recommended Text Books:

1. Koul L: Methodology of Educational Research
2. Mangal S K: Statistics in Psychology and Education
3. Thordike R N: Measurement and Evaluation in Psychology and Education

Suggested Readings:

4. Garrett H E: Statistics in Psychology and Education
5. Gilford J P: Fundamental Statistics in Psychology and Education
6. Gupta S P: Statistical Methods

PAPER-V

: Educational Measurement and Evaluation 50 (Practical) Credit: 4

UNIT I (The Measurement and Evaluation Process)

Credit: 1

Concept, scope and Need, taxonomies of educational objectives, Norm-referenced and criterion referenced Measurement ;

Evaluation : functions and Basic principles, Interrelationship between measurement and evaluation in education ;

The status of educational measurement in India.

Credit: 1

UNIT II (:Tools, Models and Techniques of Measurement and Evaluation)

Tools of measurement and evaluation – subjective and objective tools, essay type test, objective test, questionnaires, interview, Rating scale, Inventories, schedules and performance test ;

Model in measurement and evaluation – 3D model, total reflection model and individual judgment model.

UNIT III (Acquaintance with some Psychological tests used in the Field of Education)

Credit: 1

Intelligence, Interest, Aptitude, Attitude, Creativity Values and Personality.

Recommended Practice Sessions:

Credit: 1

10 practice sessions for- The status of educational measurement in India

Recommended Text Books:

- 1 Gilford J P: Fundamental Statistics in Psychology and Education
2. Thorndike, Robert L and E. Hegel: Measurement and Evaluation in Psychology and Education

Suggested Reading

- 1.Singh A K: Test, Measurement and Research Methods
- 2.. Ebel Robert L Measuring Educational
3. Achievement Thormson Press, New Delhi