COURSES OF STUDY

FOR

M.A. 1ST SEMESTER EXAMINATION

PSYCHOLOGY

FROM: ........................................

[Signatures]

Head
Unive. Deptt. of Psychology
### M. A. (Psychology) Syllabus under CBCS for the Universities of Bihar

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Code</th>
<th>Name of Paper</th>
<th>Marks of CIA</th>
<th>Marks of ESE</th>
<th>Passing Criteria</th>
<th>Qualifying Criterion</th>
</tr>
</thead>
<tbody>
<tr>
<td>One</td>
<td>CC-1</td>
<td>ADVANCED GENERAL PSYCHOLOGY</td>
<td>10</td>
<td>30</td>
<td>45% marks in CIA</td>
<td>Marks decide class/C GPA</td>
</tr>
<tr>
<td></td>
<td>CC-2</td>
<td>ADVANCED SOCIAL PSYCHOLOGY</td>
<td>10</td>
<td>30</td>
<td>45% marks in CIA</td>
<td>Marks decide class/C GPA</td>
</tr>
<tr>
<td></td>
<td>CC-3</td>
<td>RESEARCH METHODOLOGY</td>
<td>10</td>
<td>30</td>
<td>45% marks in CIA</td>
<td>Marks decide class/C GPA</td>
</tr>
<tr>
<td></td>
<td>CC-4</td>
<td>EXPERIMENTS IN PSYCHOLOGY</td>
<td>10</td>
<td>30</td>
<td>45% marks in CIA</td>
<td>Marks decide class/C GPA</td>
</tr>
<tr>
<td></td>
<td>AECC-1</td>
<td></td>
<td>10</td>
<td>30</td>
<td>45% marks in CIA</td>
<td>Qualify</td>
</tr>
</tbody>
</table>

**SEMESTER-I**

1. ADVANCED GENERAL PSYCHOLOGY

**Course Contents:**

**UNIT-I**

**UNIT-II**
Learning: Classical Conditioning; Operant Conditioning; Cognitive Learning; Skinner's Viewpoints towards Programmed Learning, Computer Assisted Instruction or CAI – Personalized System of Instruction of PSI, Probability Learning, Verbal Learning.

**UNIT-III**
Motivation and Emotion: Basic motivational concepts, Types of motives, Approaches to the study of motivation: Psychoanalytical, S-R Cognitive, humanistic; Physiological correlates of emotion; current theories of emotion and facial feedback hypothesis

**UNIT IV**
Intelligence: Nature of Intelligence, Theories: Spearman’s Two Factor, Multiple Factor Theory (Thorndike and Guilford), Cattell’s Theory, Theory of Multiple Intelligence (Gardner), Emotional Intelligence; Personality: Nature, determinants, Theories: Freud, Erik Erikson, Bandura, Cattell, Carl Rogers; Indian approach; measurement of personality: psychometric and projective tests.

**RECOMMENDED BOOKS:**

2. ADVANCED SOCIAL PSYCHOLOGY
Course Contents:

UNIT – 1

UNIT-2
Attitude and its change; aggression and ways to manage aggression; pro-social behaviour.

UNIT-3
Intergroup relations: Group dynamics, leadership style and effectiveness, Theories of intergroup relations: relative deprivation theory, realistic conflict theory, equity theory.

UNIT-4
Applications in real world: Revisiting the meanings of social psychology in social psychological perspectives; challenges of societal development, application of gender, poverty, marginalization and social suffering.

RECOMMENDED BOOKS:
3. RESEARCH METHODOLOGY

Course Contents:

UNIT-1
Introduction to research: Meaning, purpose and dimensions of research; Steps in test development and standardization, Ethical issues in psychological testing; Research Problem: Characteristics or Criteria of good Research problem, Sources of Research Problem, Selection of Research problem

UNIT-2
Sampling and Research Design: Sampling procedures, Types of Sampling, Errors in Sampling; Research Design: Randomized experimental and quasi-experimental approaches, Group vs. single-subject designs, Factorial design.

UNIT-3

UNIT-4
Qualitative Research: Philosophy and conceptual foundations; proposing and reporting qualitative research, formulating research questions, developing semi-structured interview schedule, generating and analyzing qualitative data.

RECOMMENDED BOOKS:
Kothari, C. R. Research Methodology, New Age International Publishers, New Delhi

4. EXPERIMENTS IN PSYCHOLOGY

Course Contents:

UNIT-I
1. Speed of learning as a function of meaningfulness of material.
2. Bilateral transfer of training.
3. Effect of reward & punishment on learning.

UNIT-II
1. Retroactive inhibition
2. Retention as a function of time: Study of retention curve.

UNIT-III
1. Transfer of training in Maze Learning
2. Habit interference

UNIT-IV
1. Effect of knowledge on result on performance
2. Zeigarnik Effect

RECOMMENDED BOOKS:
BABASAHEB DHIMRAO AMBEDKAR
BIHAR UNIVERSITY
MUZAFFARPUR

COURSES OF STUDY

FOR

M.A. 2ND SEMESTER EXAMINATION
PSYCHOLOGY

FROM: ..................................................
### M. A. (Psychology) Syllabus under CBCS for the Universities of Bihar

<table>
<thead>
<tr>
<th>Semester</th>
<th>Code</th>
<th>Name of Paper</th>
<th>Marks of CIA</th>
<th>Marks of ESE</th>
<th>Passing Criteria</th>
<th>Qualifying Criterion</th>
</tr>
</thead>
<tbody>
<tr>
<td>2nd</td>
<td>CC-5</td>
<td>COGNITIVE PSYCHOLOGY</td>
<td>100</td>
<td>30</td>
<td>70</td>
<td>45% marks in CIA</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>45% marks in ESE</td>
</tr>
<tr>
<td></td>
<td>CC-6</td>
<td>NEUROPSYCHOLOGY</td>
<td>100</td>
<td>30</td>
<td>70</td>
<td>45% marks in CIA</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>45% marks in ESE</td>
</tr>
<tr>
<td></td>
<td>CC-7</td>
<td>PSYCHOPATHOLOGY</td>
<td>100</td>
<td>30</td>
<td>70</td>
<td>45% marks in CIA</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>45% marks in ESE</td>
</tr>
<tr>
<td></td>
<td>CC-8</td>
<td>STATISTICS FOR PSYCHOLOGY</td>
<td>100</td>
<td>30</td>
<td>70</td>
<td>45% marks in CIA</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>45% marks in ESE</td>
</tr>
<tr>
<td></td>
<td>CC-9</td>
<td>PSYCHOLOGICAL ASSESSMENT</td>
<td>100</td>
<td>30</td>
<td>70</td>
<td>45% marks in CIA</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>45% marks in ESE</td>
</tr>
<tr>
<td></td>
<td>AEC-1</td>
<td></td>
<td>100</td>
<td>30</td>
<td>70</td>
<td>45% marks in CIA</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Qualify</td>
</tr>
</tbody>
</table>

### SEMESTER-II

#### 5. COGNITIVE PSYCHOLOGY

**Course Contents**

**UNIT-1**
- Cognitive psychology: Origin and current status;
- Attention and perception: nature and theories of selective attention, sustained attention- nature, determinants and theories, subliminal perception;
- Perceptual organization, Time Perception : Fourth Dimension, Pattern Recognition : Bottom up and Top Down Approach, Perceptual Learning, Depth Perception.

**UNIT-2**
- Memory Processes: Sensory Memory, Short Term and Long Term Memory- types, coding and retrieval; working memory, Forgetting: Incidental and Motivated Forgetting; Applications: Everyday memories; Autobiographical memory; Flashbulb memory, improving memory.

**UNIT-3**
- Thinking and problem solving: types of thinking, Components of thinking: images, concepts.

**UNIT-4**
- Decision Making: Models and Theories; Complex, Uncertain Decision Making; Human Problem Solving: Strategies and Heuristics; Artificial Intelligence.

**RECOMMENDED BOOKS:**

6. NEURO PSYCHOLOGY

COURSE CONTENTS:

UNIT - 1:
Brain, Mind and Behavior: Emerging research areas in Neuropsychology, Methods of Investigating Brain: Electrophysiological procedures; Neuro-imaging techniques; Function of cortex, Neuroendocrine system.

UNIT - 2:
Neuropsychological deficits in stroke, head injury, tumors, epilepsy

UNIT-3:
Frontal lobe syndrome: Neuropsychology of motivation, Neuro physiological base of learning and memory, speech and hearing disturbances.
Parietal lobe syndrome: Coma and altered consciousness Disturbance of visual, memory, reading and writing disturbances.

UNIT-4:
Occipital lobe syndromes: Visual Theory, Disturbance of visual Perceptions
Temporal Lobe Syndromes: Hearing Theory, Disturbances of hearing and Vestibular functions

RECOMMENDED BOOKS:

Singh, A.K. Nero Manovigyan, Patna: MotilalBanarsidas

7. PSYCHOPATHOLOGY

UNIT 1.
UNIT-2
Anxiety and Obsessive Disorders: GAD, Panic, Specific phobia, OCD, PTSD. Dissociative Disorders: Dissociative identity disorder, Dissociative amnesia, Dissociative depersonalization; Sleep and eating disorders.
UNIT-3
UNIT-4
Schizophrenia and Delusional Disorders: Clinical picture, Etiology and Treatment approaches. Substance Use Disorders: Alcohol abuse and dependence, Drug abuse and dependence, Personality disorders:

RECOMMENDED BOOKS:

8. STATISTICS FOR PSYCHOLOGY
COURSE CONTENTS
UNIT I
a. Distributions: discrete distributions; continuous distributions, jointly distributed random variables.
b. Inference: estimation theory, statistical hypothesis testing, types of errors.
c. Normal Probability Curve and Deviation (Skewness and Kurtosis)
UNIT II
a. Correlation Statistics: Product Moment; Rank Order; Biserial; point-biserial, phi-coefficient.
b. Inferential Statistics: t-test;
UNIT -III
a. ANOVA (One way & two ways)
b. Chi square
c. Mann-Whitney U-test.
UNIT - IV.
Multiple Regression and Factor Analysis using Software Packages
a. Multiple Regressions: basic concepts, methods and uses
b. Factor Analysis: basic concepts, methods of extraction and methods of rotation.
RECOMMENDED BOOKS:

9. PSYCHOLOGICAL ASSESSMENT
Applications and Report Writing in Practice
UNIT - 1:
Introduction to Psychological Assessment: Meaning of Psychological Assessment, Types of test, scale, batteries, Ethical and Professional standards for tests, report writing.
UNIT - 2:
Assessment of ability and aptitude: Assessment of intelligence- WAIS; Assessment of aptitude, achievement and interest: Differential Aptitude Test.
UNIT - 3:
Assessment of Personality: MBTI, 16 PF, RT, TAT, Big Five personality Test
UNIT - 4:
Assessment in other related areas: Emotional Intelligence Test, Well-being scale.
RECOMMENDED BOOKS:
M. A. (Psychology) Syllabus under CBCS for the Universities of Bihar

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Code</th>
<th>Name of Paper</th>
<th>Marks of CIA</th>
<th>Marks of ESE</th>
<th>Passing Criteria</th>
<th>Qualifying Criterion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Third</td>
<td>CC-10</td>
<td>HEALTH PSYCHOLOGY</td>
<td>100</td>
<td>30</td>
<td>70</td>
<td>45% marks in CIA</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>45% marks in ESE</td>
</tr>
<tr>
<td></td>
<td>CC-11</td>
<td>COUNSELLING PSYCHOLOGY</td>
<td>100</td>
<td>30</td>
<td>70</td>
<td>45% marks in CIA</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>45% marks in ESE</td>
</tr>
<tr>
<td></td>
<td>CC-12</td>
<td>EDUCATIONAL PSYCHOLOGY</td>
<td>100</td>
<td>30</td>
<td>70</td>
<td>45% marks in CIA</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>45% marks in ESE</td>
</tr>
<tr>
<td></td>
<td>CC-13</td>
<td>HUMAN RESOURCE MANAGEMENT</td>
<td>100</td>
<td>30</td>
<td>70</td>
<td>45% marks in CIA</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>45% marks in ESE</td>
</tr>
<tr>
<td></td>
<td>CC-14</td>
<td>GENERAL COUNSELLING SKILLS</td>
<td>100</td>
<td>30</td>
<td>70</td>
<td>45% marks in CIA</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>45% marks in ESE</td>
</tr>
<tr>
<td></td>
<td>AECC-2</td>
<td></td>
<td>100</td>
<td>30</td>
<td>70</td>
<td>45% marks in CIA</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>45% marks in ESE</td>
</tr>
</tbody>
</table>

Semester- III

10. HEALTH PSYCHOLOGY
Course Contents

UNIT-I

UNIT-II

UNIT-III
Hypertension & Diabetes: Psychosocial factors of hypertension, Psychological Intervention of hypertension; Types of diabetes, Problems in self management of diabetes, Psychological management of diabetes; Obesity - Factors Associated with Obesity, Treatment of Obesity; Eating Disorders - Anorexia Nervosa - Bulimia; Alcoholism and Problem Drinking.

UNIT-IV
AIDS: Psychological intervention; Psycho-social factors of AIDS, Coping with AIDS, Effects and treatment of AIDS;
CANCER: -The Prevalence and types of Cancer, Causes of Cancer: Socio-cultural factors in Cancer, diagnosing and treating Cancer, the psycho-social impact of Cancer, psycho-social Interventions for Cancer.

RECOMMENDED BOOKS:
Edward P. Sarafino,(1990). Health Psychology, John Wiley&Sons, INC.

11. ADVANCED EDUCATIONAL PSYCHOLOGY
Course Contents
UNIT - I
Nature of educational psychology and its applications; Historical perspective to Educational Psychology; Education, learning and adjustment of Gifted children, Mentally retarded, Backward children and Physically handicapped children; Moral Development: Piaget &Kohelberg Theory.
UNIT - II
Understanding disability: Range of disabilities: (locomotor, hearing, visual, specific learning disabilities and mental disability), addressing learning difficulties in the classroom: Pedagogic strategies for children with special needs.
UNIT - III
Educational assessment: Assessment methods: Formative and summative assessment, Comprehensive and continuous assessment; standardized and diagnostic tests
UNIT-IV
Psychological vulnerability and distress in schools- nature of psychological vulnerabilities and distress: exam anxiety, negative media influences (including social media), school pressures, child abuse, consumerism, crisis of values etc.

RECOMMENDED BOOKS:
12. COUNSELLING PSYCHOLOGY

Course Contents:

UNIT- I
Definition of counseling, Counseling and psycho-therapy, counseling as a helping relationship, as a solution to human problems; Counselling – expectations and goals, Achievement of positive mental health

UNIT -II
Approach to counseling: The directive or authoritarian approach (Psycho-analytic), Humanistic Approach, Behavioristic Approach, The existential Point of view; Counselling Process: preparation, process, content, steps in the counseling process, variables affecting the counseling process.

UNIT -III
Counseling in the Educational setting: Counseling of School & College students; the role of teachers in counseling.
Special Areas in Counseling: Family group consultation – Counseling with families Concern children as well as parents, Marriage & Pre-marital Counselling.

UNIT -IV
Training for Counseling – Counselor preparation & professional issues, Academic preparation, practical skills, Ethical standards, Legal considerations, Conception of a professional worker, Modern Trends in Counselling: Counselling Movement in India, present status of counseling & Psychotherapy.

RECOMMENDED BOOKS:
13. HUMAN RESOURCE MANAGEMENT

Course Contents

Unit-I

Human Resource Management: objectives; relationship with the internal and external environment; roles and responsibilities of HRM department, emerging trends in HRM.

UNIT – II

Recruitment and Selection: importance of recruitment and selection; Recruiting methods: External recruiting; Internal recruiting. Effectiveness of various recruiting methods; selection process. - Fundamentals of personnel measurement; measurement of individual differences: Application blanks; Personality assessment.

UNIT – III

Training and Development:- Importance of training and development; Types of training: substantive knowledge and skill training, human process, attitudinal and sensitivity (T group) training; Models for evaluation of program effectiveness: Kirkpatrick's four level model, and CIRO models.

UNIT - IV

Performance Appraisal System:- Performance appraisal process and procedures, Methods of performance appraisal – norm referenced methods, Behavioral methods; MBO; output methods, 360 degree performance appraisal, self-appraisal- advantages, disadvantages.

BOOKS RECOMMENDED :-


14. GENERAL COUNSELLING SKILLS

1. Journal article evaluation- Student shall critically evaluate one recent research article and present the same in counseling - journal club meeting orally using audio- visual aids.

3. Assessment of Social Maturity Scale or Dyslexia Screening Test or Screening of autism
   Wechsler Intelligence Scale (adult/children)
   Differential Aptitude Test
   Personality and Interests Assessment: 16PF, MBTI, EPQ/EPL.
   Projective Test: IBT/ TAT, Rosenzweig Picture Frustration Study (Children/ Adult)

4. Outreach program: Guidance and/or counseling workshop for specified groups as decided by
   the concerned teachers' committee.

Institutional visits:
   i. Each student is required to complete practical file containing five testing reports, two case
      history reports, visit report and workshop report and submit the same for practical
      examination.
   ii. Planning and recording of intervention plan for at least 3 case studies: 20 marks
   iii. Classroom presentation of at least one casealong with test
      profiles and therapy plan: 10 marks
   iv. Semester end Practical examination: 70 marks.
   v. Viva voce examination: 40 marks Test conduction and report writings: 30 marks

RECOMMENDED BOOKS:

XXX

[Signatures and dates]
BABASAHEB BHIMRAO AMBEDKAR
BIHAR UNIVERSITY
MUZAFFARPUR

COURSES OF STUDY

FOR

M.A. 4TH SEMESTER EXAMINATION
PSYCHOLOGY

FROM: ..........................................
## M. A. (Psychology) Syllabus under CBCS for the Universities of Bihar

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Code</th>
<th>Name of Paper</th>
<th>Marks</th>
<th>Marks of CIA</th>
<th>Marks of ESE</th>
<th>Passing Criteria</th>
<th>Qualifying Criterion</th>
</tr>
</thead>
<tbody>
<tr>
<td>4TH</td>
<td>EC-1</td>
<td>CLINICAL PSYCHOLOGY/ORGANISATIONAL BEHAVIOUR/POSITIVE PSYCHOLOGY/PSYCHOMETRICS/COMPUTER APPLICATION IN PSYCHOLOGY-PAPER-1</td>
<td>100</td>
<td>30</td>
<td>70</td>
<td>45% MARKS IN CIA 45% MARKS IN ESE</td>
<td>MARKS DECIDE CLASS/CGPA</td>
</tr>
<tr>
<td>EC-2</td>
<td>-DO- PAPER-2</td>
<td></td>
<td>100</td>
<td>30</td>
<td>70</td>
<td>45% MARKS IN CIA 45% MARKS IN ESE</td>
<td>MARKS DECIDE CLASS/CGPA</td>
</tr>
<tr>
<td>DSE-1</td>
<td></td>
<td></td>
<td>100</td>
<td>30</td>
<td>70</td>
<td>45% MARKS IN CIA 45% MARKS IN ESE</td>
<td>QUALIFY</td>
</tr>
<tr>
<td>OR GE-1</td>
<td></td>
<td></td>
<td>100</td>
<td>30</td>
<td>70</td>
<td>45% MARKS IN CIA 45% MARKS IN ESE</td>
<td>QUALIFY</td>
</tr>
</tbody>
</table>

### Semester-IV

**SPECIAL PAPER- ELECTIVE PAPERS- 1 & 2**

**A. M. A. SPECIALISATION IN ORGANISATIONAL BEHAVIOUR**

**PAPER-1. ORGANISATIONAL BEHAVIOUR IN INDIAN PERSPECTIVE**

**Course Contents**

**UNIT-I**


**Unit-II**

Self, culture and personality: Understanding Indian view of self, Individual differences and their impact on managerial and interpersonal behavior: Dependence proneness; Orientations: Collectivist; materialist and holistic,

**UNIT-III**

Groups and teams: Difference between groups and teams, types of team, hindrance in team building: Group think; Indian societal stereotypes and prejudice; Building effective teams: Stages of team building and issues at each stage.
UNIT-IV
Leadership: Theories of Leadership, Leadership styles congruent with Indian culture: Pioneering-Innovative (PI) style; Paternalistic Leadership; Nurturant Task Leadership style.

RECOMMENDED BOOKS:

Paper-II Interpersonal Processes in Organisations
Course Contents:

UNIT-I
Individual in organisation: Importance of interpersonal relationships in organization: Concept of work motivation - theories of motivation, Integrating contemporary theories of motivation, Job satisfaction.

UNIT-II
Organisational culture: Nature of organisational culture: Typology of organisational culture, Indian patterns of work culture, Manifestation of organisational culture; measurement and changing organisational culture.

UNIT-III
Introduction to organisation development: Definition, history of organisational development; process of organisation development: Models and theories of planned change: Kurt Lewin, Burke-Litwin Model, Porras and Robertson model.

UNIT-IV
Emerging challenges of organisational behaviour: Knowledge management and people issues; Competency mapping and psychological processes, Coaching-mentoring and counseling

RECOMMENDED BOOKS:

M.A. SPECIALISATION IN CLINICAL PSYCHOLOGY

Paper I - Introduction to Clinical Psychology

Course Contents:

UNIT-1
Foundations: Historical background: Early & Recent history; Nature of discipline: Theory and research; Developing a professional identity: Education & training, professional activities and employment setting.

UNIT-2
Psychodynamic approach: Brief orientation to psychoanalytic psychologies – Freud, Adler, Jung; Understanding psychological defenses.

UNIT-3
Other major approaches: Behavioural and cognitive-behavioural; Humanistic; Existential; Family systems, Biological.

UNIT-4
Clinical assessment: Rationale and planning; Clinical interviewing; Areas of applications: Intellectual and educational; personality and interpersonal; behavioural and psycho-diagnostic.

RECOMMENDED BOOKS:

Paper II – Psychotherapy

Course Contents:

UNIT-1
Foundations: Becoming a psychotherapist: Training and supervision; Stages of therapy; Modes of therapy: Individual, group, couples & family; Critical/controversial issues in psychotherapy.
UNIT-2
Psychoanalytic therapies: Psychoanalytic therapies, Object-relations therapies; Interpersonal approaches.

UNIT-3
Humanistic & transpersonal therapies: Client-centered therapies; Existential therapies; Gestalt therapies; transpersonal therapies.

UNIT-4
Behavioural& cognitive-behavioural therapies: Behavioural therapy; Cognitive therapy (Beck); Rational emotive behaviour therapy (Ellis).

BOOK READINGS:

M.A. SPECIALIZATION IN PSYCHOMETRICS

Paper I - Statistics
Course Contents:

UNIT-I
Introduction to statistics: Types of data, describing variables numerically, probability distribution and normal curve, calculating central tendency and dispersion; relationships between two or more variables: Pearson correlation and Spearman’s rho, point-biserial, biserial, tetrachoric.

UNIT-II
Significance testing: Logic of hypothesis testing, The standard error of means and Standard error of difference between means, The t-test: Comparing two samples of correlated/uncorrelated scores, Chi-square: Differences between samples of frequency data, One-tailed versus two-tailed significance testing.

UNIT-III
Introduction to analysis of variance: Analysis of variance (ANOVA): one-way and two-way, Analysis of Co-variance.

UNIT-IV
Partial correlation, multiple regression and multiple correlation
Non-parametric statistics: Difference between parametric and non-parametric statistics; Mann-Whitney-Wilcoxon test, Kendal coefficient of concordance, Sign test.

RECOMMENDED BOOKS:


**Paper II - The Science of Psychological Assessment**

**Course Contents:**

**UNIT-I**
Perspectives on psychometrics- Scientific measurement in psychometrics and measurement in the natural sciences, Measurement models: Classical test theory, Latent variable model, Representational measurement model, the theory of true scores.

**UNIT-II**
Process of test construction: Knowledge-based and person-based questionnaire, Objective and open-ended tests, Norm-referenced and criterion-referenced testing.
Item analysis: Classical item analysis statistics for knowledge-based tests, person-based tests, criterion-referenced testing.
Factor analysis: Concept, Exploratory and Confirmatory factor analysis, Eigen value, factor loading, Kaiser criterion and other techniques for identifying the number of Factors.

**UNIT-III**
Standardization of tests: Reliability: Concept and forms of error; Factors influencing reliability, Methods: Spearman-Brown correction, K-R Formula, cautions in the use of reliability coefficient.
Validity: Concepts and types of validity; factorial validity; difference between validation and validity.
Normalisation: Algebraic normalisation, graphical normalisation

**UNIT-IV**
Bias in testing and assessment: forms of bias, item bias: Identifying item bias, differential item functioning, item offensiveness, intrinsic and extrinsic test bias: statistical models of intrinsic test bias

**RECOMMENDED BOOKS:**

M.A. SPECIALIZATION IN POSITIVE PSYCHOLOGY

Paper I - Foundations of Positive Psychology

Course Contents:

UNIT-I
Introduction: Psychology from a positive perspective, Eastern and Western perspectives on Positive Psychology, Building bridges between Humanistic and Positive Psychology.

UNIT-II
The principles of pleasure: Understanding positive affect, positive emotions, happiness and well-being, Complementary roles of eudaimonia and hedonia, Making emotional experiences: Emotion-focused coping, emotional intelligence, emotional story telling.

UNIT-III
Positive personality traits and strengths: Classifications and measures of strengths and positive outcomes, Self-efficacy, optimism and hope.

UNIT-IV
Positive cognitive states and processes: Wisdom and courage: Characteristics of the wise and the brave, Mindfulness, flow, and spirituality: In search of the optimal experiences.

RECOMMENDED BOOKS:

Paper II - Positive Psychology in Cultural and Social Context

Course Contents:

UNIT-I
Positive Psychology in cultural context: The role of culture in developing strengths and living well, Stages of life and positive living.
UNIT-II
Pro-social behaviour: Empathy and egotism: Portals to altruism, Gratitude and forgiveness: Attachment, love and flourishing relationships.

UNIT-III
Understanding and changing human behaviour: Balanced conceptualizations of mental health and behaviour, Preventing the bad and promoting the good.

UNIT-IV
Positive environments: Positive schooling and good work, the power and practice of gratitude; positive aging

RECOMMENDED BOOKS:

E. COMPUTER APPLICATIONS IN PSYCHOLOGY
Paper-I: Computer Application
Course Contents:

UNIT-I
Use of computer software in psychology
Experimental/Laboratory control: Use of computers in designing experiments, control of relevant variables

UNIT-II
Clinical/Child Psychology: Computer mediated psychological testing, Virtual psychotherapy, computer assisted counselor training, neuropsychological assessment - MRI, PET, computerized report writing, effects of computer/internet on mental health

UNIT-III
Use of computer software in psychology: Cognitive Psychology – GPS, Artificial intelligence, expert systems, simulation/virtual reality

UNIT-IV
Organizational: Selection and placement - computer assisted assessment for recruitment, appraisal and screening. Simulated training programs
RECOMMENDED BOOKS:

Paper-II Practical
UNIT-I
Using SPSS for data entry
UNIT-II
For analysing data – basic statistical procedures (UNIVARIATE & MULTIVARIATE)
UNIT-III
For analysing data – non-parametric techniques, for creating bars, charts, and figures, Interpretation of SPSS OUPUT FILES.
UNIT-IV
Use of internet resources for psychology: ERIC database, Psych Lit, Psych INFO, www.sciencedirect.com

RECOMMENDED BOOKS: