

Batch 2024-25

# Syllabus

2<sup>nd</sup> Semester

**Master of Arts (Psychology)**

**M.A. PSYCHOLOGY (SEMESTER-II)****Paper-CC-A05: PHYSIOLOGICAL PSYCHOLOGY (Credits 04)**

**Maximum Marks: 100**  
**Theory Examination: 70**  
**Internal Assessment: 30**  
**Examination Time: 3 hrs**

**Course Outcomes:**

- CO1 Students would gain knowledge of basic divisions of Biopsychology and its methods of study and research.
- CO2 Students would understand the structure and functions of Nervous System.
- CO3 Students would gain understanding of Behavioural Genetics and would be able to explain the mechanism of Affecter-Effector systems.
- CO4 Students would be acquainted with the biological basis of digestive behaviour.
- CO5 Students would attain the knowledge of physiological mechanism related to sleep.

**Note:** The question paper will consist of four Units containing eight questions with internal choice from each unit i.e. two questions from each unit. The candidate will be required to answer five questions in all. Four questions will have to be attempted from four units and the fifth question which is compulsory shall be of short answer type question covering the entire syllabus. All the questions shall carry equal marks i.e. 14 each from the I to IV units and 5" compulsory question shall be divided into seven short answer questions of 2 marks each i.e.  $7 \times 2 = 14$  thus making it the total weight age to 70 marks.

**UNIT I**

Nature of Biopsychology: Meaning and approach; Major divisions of Biopsychology; Methods of study and research.

Cells of Nervous system: Neuron: Structure and Types; Conduction of Nerve Impulse; Synapse; Synaptic transmission: Process and stages

**UNIT II**

Nervous System: Central Nervous System: Structure and Function of Brain and Spinal cord.

Peripheral Nervous System: Somatic Nervous System: Cranial and Spinal nerves. Autonomic Nervous System: Sympathetic and Parasympathetic Nervous System.

**UNIT III**

Behavioural Genetics: Medalian Genetics, chromosomes, sex-linked and sex-limited genes.

Biological basis of Affecter and Effector : Visual system, Auditory system; Motor system and Endocrine glands

#### UNIT IV

Biological basis of Ingestive Behaviour: Hunger and Thirst

Biological basis of Sleep: Stages and Types of Sleep; Physiological mechanism of Sleep; Disorders of Sleep.

#### Recommended Books:

Carlson, N. R. (2013). *Physiological of Behaviour*. USA: Pearson.

Kalat, J.N. (2016). *Biological Psychology*. Boston, USA: Cengage Learning.

Levinthal, C.R. (1991). *Introduction to Physiological Psychology*. New Jersey:

Prentice Hall  
Pinel, P.J. (2009). *Biopsychology*. (International edition). New Delhi:  
Pearson Education



**M.A. PSYCHOLOGY (SEMESTER-II)****Paper-CC-A06: COGNITIVE PSYCHOLOGY (Credits 04)**

**Maximum Marks: 100**  
**Theory Examination: 70**  
**Internal Assessment:**  
**30 Examination**  
**Time: 3 hrs**

**Course Outcomes:**

- CO1 Students would be able to understand the nature and historical background of Cognitive Psychology.
- CO2 Students would be sensitized to the importance of attention and would become aware of the structure and function of memory along with its applicability in everyday situation.
- CO3 Students would be able to apply the conceptual and experimental knowledge of imagery and language in research and everyday situation.
- CO4 Students would master problem solving skills and would understand various issues related to language and the relevance of cross cultural factors in psychological research.
- CO5 Students would be able to understand and apply the cognitive approach in everyday life.

**Note:** The question paper will consist of four Units containing eight questions with internal choice from each unit i.e. two questions from each unit. The candidate will be required to answer five questions in all. Four questions will have to be attempted from four units and the fifth question which is compulsory shall be of short answer type question covering the entire syllabus. All the questions shall carry equal marks i.e. 14 each from the I to IV units and 5" compulsory question shall be divided into seven short answer questions of 2 marks each i.e.  $7 \times 2 = 14$  thus making it the total weight age to 70 marks.

**UNIT I**

Introduction: Emergence of Cognitive Psychology, Information Processing Approach.

Attention: Filter (Broadbent and Treisman ) and Resource (Kahnman) Theories; Factors affecting Division of Attention.

**UNIT II**

Memory: Working Memory: Nature, Theories, Educational Applications.

Semantic and Episodic Memory: Semantic vs Episodic Memory; Level of Processing and Hierarchical Network model.

Prospective Memory: Types and Common Failures of Prospective Memory in Everyday life.

### UNIT III

Imagery : Empirical Investigations: Mental Rotation and Scanning; Analogical and Propositional Theory. Language: Speech Recognition: Phonology, Morphology, Syntax and Parsing.  
Speech Production: Theories:Garrett and Dell ; Speech Errors.

### UNIT IV

Problem Solving: Strategies of Problem Solving; Blocks in Problem Solving; Finding Creative Solutions. Cognition in Cross Cultural Perspective: Cross Cultural Studies of Perception, Memory and Categorization.

#### **Recommended Books:**

Eysenck, W. M., & Keane, M.T. (1990). *Cognitive Psychology: A Students Handbook*. London : Lawrence Erlbaum.

Galotti, K.M. (2014). *Cognitive Psychology: In and Out of the Laboratory*. New Delhi: Sage. Riegler, B.R., & Riegler, G.L.R. (2008). *Cognitive Psychology: Applying the Science of the Mind*. India: Pearson Education.

Jahnke, J.C., & Nowaczyk, R.H. (1998). *Cognitive Psychology*. New Jersey: Prentice Hall. Matlin, M. W. (1995). *Cognition*. Bangalore: Prism Book.

Reed, K.S. (2000). *Cognition: Theory and Applications*. California: Wadsworth.



**M.A Psychology  
Semester-II**

**CC-A07- RESEARCH DESIGN & STATISTICS IN PSYCHOLOGY**

**Credits: 4 (Hrs./week: 4)**

**Maximum Marks: 100  
Theory Examination: 70  
Internal Assessment: 30 Max.  
Time: 3 Hrs.**

**Note:** The question paper will consist of four Units containing eight questions with internal choice from each unit i.e. two questions from each unit. The candidate will be required to answer five questions in all. Four questions will have to be attempted from four units and the fifth question which is compulsory shall be of short answer type question covering the entire syllabus. All the questions shall carry equal marks i.e. 14 each from the I to IV units and 5" compulsory question shall be divided into seven short answer questions of 2 marks each i.e.  $7 \times 2 = 14$  thus making it the total weight age to 70 marks.

**Course Outcomes:**

- Students will enhance their research skills, focusing on the applicability of research designs and analysis in psychology.
- Students will learn to utilize apply Non-Parametric & Parametric Statistical methods while analyzing their data.
- Students will develop critical thinking skills for conducting qualitative research and presenting their findings systematically.
- Students will gain the ability to apply Analysis of Variance (ANOVA) in their research projects.

**Unit-I**

Research Designs: Nature, Purpose, Principles

Types of Research Design: Between Subjects Design (Two & Multi group design), Within Subjects Design (Two & Multi group design), Mixed designs, Factorial Design: Randomized, Fixed, Mixed.

**Unit-II**

Parametric and Non-parametric Statistics: Nature, Assumption, Differences.

Parametric Statistics: Significance of Mean differences (Independent and Correlated means), z test.

Non-parametric Statistics: Wilcoxon Sign Rank Test, Median test, Mann Whitney -U test, Kruskal Wallis One Way Analysis of Variance

**Unit-III**

Analysis of Variance: Nature, Assumptions and Types.

Types of Analysis of Variance: One – way ANOVA (Independent groups and repeated measures), Two-way

*For - Rajan*

ANOVA for independent groups

#### Unit-IV

Qualitative analysis: Content analysis, Thematic representation, Interpretative phenomenological Analysis (IPA) and Grounded theory.

#### Suggested Readings:

1. Arthur, A., Elaine. W.A. and Elliot, J.C. (2006), *Statistics for Psychology*, New Delhi: Pearson Education.
2. Chadha, N. K. (2009) *Applied Psychometry*. New Delhi: Sage.
3. Belhekar, V.M (2016). *Statistics for Psychology Using R*. SAGE Publications India Pvt.Ltd.
4. Broota, K.D. (1990). *Experimental Designs in Behaviour Research*. N.D.: Wiley Eastern.
5. Campbell, D.T. and Standlay, J.G. (1996). *Experimental and Quasi Experimental Design for Research*. Chicago: Rand McNally.
6. Kothari, C. R., (2007), *Research Methodology (Methods & Techniques)*, New Age International (P) Limited, Publishers.
7. Baumgardner, Steve & Marie Ranjit Kumar (2014). *Research Methodology: A step-by-step guide for beginners*. 4th Edition. Sage Texts, Sage Publications India Pvt Ltd.
8. Wang, Li, Peng Liping and Qutub, Khan (2018). *Research Methods in Education*. 1<sup>st</sup> Edition. Sage Texts, Sage Publications India Pvt Ltd.
9. Edwards, A.L. (1972). *Experimental Designs in Psychological Research*. New York: Holt Rinehart and Winston.
10. Ferguson, G.A. *Statistical Analysis in Psychology and Education*. New York: Tata McGraw- Hill Publishing Company Limited New Delhi.
11. Garrett, H.E. (1967). *Statistics in Psychology and Education*. Bombay: Vakils, Feffer and Simons Pvt. Ltd.
12. Guilford, J.P. and Benjamin, F (1973), *Fundamental Statistics in Psychology and Education*. New York: Tata McGraw-Hill Publishing Company Limited New Delhi.
13. Lindqvist, E.F. (1953). *Design and Analysis of Experiments in Psychology*. Boston Houghton Mifflin.
14. Mangal, S.K and Mangal, S. (2015). *Research Methodology in Behavior Sciences*. PHI learning private limited, Delhi-11092.
15. McGuigan, F.J. (1990). *Experimental Psychology. A Methodological Approach*. New York: Printice Hall.
16. Mohanty, B., and Misra, S. (2016). *Statistics for Behaviour and Social Sciences*. SAGE Publications India Pvt. Ltd.
17. Silverman, D. (2001). *Interpreting Qualitative Data: Methods for Analyzing Talk, Text and Interaction*. New Delhi: Sage Publications.
18. Singh, A.K. (1986). *Tests, Measurements and Research Methods*. N.D.: Tata McGraw Hill.
19. Winer, B.J. (1971). *Statistical Principles in Experimental Design*. New York: McGraw Hill

For - Bayazit

## M.A. Psychology (Semester-II)

CC A08- Practical

Credits: 4 (Hrs/week:8)

Maximum Marks: 100

Practical Examination:70

Practical Assessment:30

Time:3 Hrs

**Course Outcomes:**

- Students will acquire the ability to administer, interpret and report psychological tests.
- Students will gain proficiency in data analysis using statistical software.
- Students will gain specialized applied knowledge in specific areas of psychology.

**Any twelve from the following areas:**

1. Stroop Effect
2. Neuropsychological Battery
3. Biofeedback
4. Assessment of Pain
5. Color Blindness
6. EEG
7. Galvanic Skin Response
8. Semantic Memory
9. Memory
10. Attention
11. Verbal test of intelligence
12. Transfer of learning
13. EPQ
14. Maze learning
15. t-independent test
16. Index of Discrimination
17. Internal Consistency Reliability
18. Developing norms
19. Test Translation
20. Item difficulty
21. Regression

**M.A. Psychology (Semester-****II) Paper: DSE-02 POSITIVE PSYCHOLOGY (Credits 03)**

**Maximum Marks: 75**  
**Theory External Exam: 35**  
**Theory Int. Assessment: 15**  
**Practical External: 20**  
**Practical Internal: 05**  
**Examination Time: 3 hrs**

**Course Outcomes:**

- CO1 Students would gain knowledge about the nature of Positive Psychology.  
CO2 Theoretical knowledge about human virtues and positive emotional states would enable the students to understand its relationship with wellbeing and undertake research in this area.  
CO3 Students would acquire the knowledge of positive emotional states and its impact on well being.  
CO4 Knowledge about the latent role played by positive cognitive states in boosting well- being would prove an asset to the students in their profession.  
CO5 Students would understand the relevance of close relationships and benefits of pro social behaviour.

**Note:** The students will be required to attempt four questions in all. Question No. I will be compulsory comprising of 5 short answer type questions of 1 mark each and will cover the entire syllabus  $1 \times 5 = 5$  marks. In addition to it, Question Nos. II to VII will consist of long answer (essay type) questions. two Questions from each Unit with internal choice carrying 10 marks each i.e.  $3 \times 10 = 30$  marks thus making it the total weight age to 35 marks. Three questions to be attempted. One from each unit.

**UNIT I**

Introduction to Positive Psychology: Traditional Psychology; Origin, Assumptions and Goals of Positive Psychology, Eastern Perspective on Positive Psychology.

Virtues and Strengths of Character: Classification of Human Virtues and measuring Strengths of Character.

**UNIT II**

Positive Emotional States and Well- being: Broaden and Build theory of Positive Emotions; Positive Emotions and Health Resources- Physical, Psychological and Social.

Happiness, Flow and Savouring: Different viewpoints of Happiness, Factors affecting Happiness and strategies to enhance Happiness; Cultivating Flow and Savouring.

**UNIT III**

Cognitive States and Processes: Wisdom, Self-efficacy, Hope and Optimism; Mindfulness and Well-being.

**Recommended Books:**

Baumgardner, S.T., & Crothers, M, K. (2009). *Positive Psychology*. New Delhi: Pearson.

Bryant, F.B., & Veroff (2007). *Savoring: A new model of positive experience*. Mahwah, New Jersey: Lawrence Erlbaum.

Carr, A. (2005). *Positive Psychology: The Science of Happiness and Human Strengths*. New York: Routledge. Snyder, C.R., & Lopez, S.J. (2008). *Positive Psychology: The Scientific and Practical Explorations of Human Strengths*. New Delhi: Sage.

**Practical**

1. Resilience
2. Character Strengths
3. Self-efficacy
4. Hope
5. Fostering positive emotions

**Note:** Students will perform at least three practical. The examiner will allot one practical at the time of end term examination for evaluation.

