

SYLLABUS

M.A. (PSYCHOLOGY): PART-I (SEMESTER I AND II) FOR SESSION: 2018-2019 UNDER CHOICE BASED CREDIT SYSTEM (CBCS)

Note: Complete M.A. (Psychology) course carries 100 credits and each paper carries 5 credits (4 lectures + 1 Tutorial)

SEMESTER - I

Code	Title of Paper	Core/ Elective	Marks	Lecture	Tutorial	Practical	Credits
MAPSY-101	Systems and Theories of Psychology	core	100	4	1	–	5
MAPSY-102	Social Psychology	core	100	4	1	–	5
MAPSY-103	Experimental Psychology	core	100	4	1	–	5
MAPSY-104	Research Methods and Statistics in Psychology	core	100	4	1		5
MAPSY-105	Practicals (Familiarization with Psychological instruments, Field Studies & Computers)	core	100	10		5	5
	TOTAL CREDITS						25

SEMESTER-II

Code	Title of Paper	Core/ Elective	Marks	Lecture	Tutorial	Practical	Credits
MAPSY-201	Cognitive Psychology	core	100	4	1	–	5
MAPSY-202	Physiological Psychology	core	100	4	1	–	5
MAPSY-203	Experimental Designs in Psychology	core	100	4	1	–	5
MAPSY-205	Environmental Psychology	elective	100	4	1	–	5
MAPSY-204	Practical (Cognitive Testing & Computers)	core	100	10	–	5	5
	TOTAL CREDITS						25

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**M.A. (PSYCHOLOGY): PART-I (SEMESTER I AND II)
FOR SESSION: 2018-2019
UNDER CHOICE BASED CREDIT SYSTEM (CBCS)**

Note: Complete M.A. (Psychology) course carries 100 credits and each paper carries 5 credits (4 lectures + 1 Tutorial)

Semester - I

Code	Title of Paper	External Evaluation	Passing marks 35%	Internal Evaluation	Passing marks 35%	Total	Credit
MAPSY-101	Systems and Theories of Psychology	70	25	30	10	100	5
MAPSY-102	Social Psychology	70	25	30	10	100	5
MAPSY-103	Experimental Psychology	70	25	30	10	100	5
MAPSY-104	Research Methods and Statistics in Psychology	70	25	30	10	100	5
MAPSY-105	Practicals (Familiarization with Psychological instruments, Field Studies & Computers)	60+10	25	30	10	100	5
	TOTAL					500	25

Semester - II

Code	Title of Paper	External Evaluation	Passing marks 35%	Internal Evaluation	Passing marks 35%	Total	Credit
MAPSY-201	Cognitive Psychology	70	25	30	10	100	5
MAPSY-202	Physiological Psychology	70	25	30	10	100	5
MAPSY-203	Experimental Designs in Psychology	70	25	30	10	100	5
MAPSY-204	Environmental Psychology	70	25	30	10	100	5
MAPSY-205	Practical (Cognitive Testing & Computers)	60+10	25	30	10	100	5
	TOTAL					500	25

INTERNAL ASSESSMENT OF 30 MARKS IN EACH PAPER (SEMESTER I & II)

2 House Tests (Average Marks)	:	15 Marks
Attendance	:	5 Marks
Assignment/Project/Seminar	:	10 Marks

PRACTICAL/PRACTICUM

Performance	:	15 Marks
Practical File	:	10 Marks
Attendance	:	5 Marks

BREAKUP OF MARKS FOR PRACTICALS FINAL EXAMINATION (60+10=70)

SEMESTER I & II

Familiarization with Psychological instruments **30 Marks**

(i)	Performance	10 Marks
(ii)	Viva voice	15 Marks
(iii)	Practical File	05 Marks

Testing: **30 Marks**

(i)	Design & Performance	10 Marks
(ii)	Viva voice	15 Marks
(iii)	Practical File	05 Marks

Computers **10 Marks**

(i)	Performance	:	3 Marks
(ii)	Practical File	:	4 Marks
(iii)	Attendance	:	3Marks

SEMESTER-I

MAPSY-101: Systems and Theories of Psychology

Maximum Marks: 70

Total Teaching Periods: 60

Minimum Marks: 35%

Time Allowed: 3 Hours

OBJECTIVES:

This course aims at helping the students to:
appreciate basic assumptions, principles and historical roots of modern scientific psychology.
understand main theoretical perspectives in psychology.
have an appraisal of the contemporary theoretical developments in modern psychology.

PEDAGOGY OF THE COURSE WORK:

70 % lectures; 30 % seminars, assignments and discussion.

INSTRUCTIONS FOR THE PAPER-SETTER FOR ALL PAPERS:

The question paper will consist of three units I, II and III. Syllabus of each unit (i.e. I&II) will have two subparts. Examiner will set two questions from unit I (each question having internal choice covering both parts of syllabus of unit I) and two questions from unit II(each question having internal choice covering both parts of syllabus of unit II). Each question will carry 13 marks. Unit III is compulsory, and shall comprise 6 short answer type questions carrying 3 marks each. The short type answer should be written in approximately 50 words i.e. 7-8 lines.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt one question from each subpart of both the units I & II of the question paper and the entire unit III. The short type answer should be written in approximately 50 words i.e. 7-8 lines.

UNIT- I

i) Emergence of Psychology: Philosophical roots and beginning in physiological and natural sciences

Historical Background of Psychology with Current Status in the Indian Context.

ii) Structuralism & Functionalism: Basic postulates & their contributions to the emergence of psychology as a science.

UNIT- II

i) Psychoanalysis: Postulates and Contribution (Freud, Adler and Jung).

Behaviourism & Gestalt Psychology: Basic Postulates & their contributions to Psychology.

ii) Humanistic Psychology: Postulates & Contributions (Maslow, Murray, Rogers).

Existential Psychology: Postulates and Contribution (Rollo May, Soren Kierkegaard & Victor Frankl)

REFERENCES

- Brennan, J.F. (2004). *History and Systems of Psychology*, Singapore: Pearson Education.
- Hergenhahn, B. R. (2001) *An Introduction to the History of Psychology* (4th Edition Wadsworth; a Division of Thompson Learning, USA.
- Shultz, D.P. (2003) *History of Psychology* (4th Edition) Pearson Education, Inc. New York.
- Chaplin, J.P., & Kraweic, T.S. (1979). *Systems and Theories of Psychology*. New York: Holt, Rinehart & Winston.
- Heidebreder, E. (1988). *Seven Psychologies*. New Delhi: Kalyani Publishers.
- Leahey, T.H. (2005). *A History of Psychology*. Pearson Education (Singapore). New Delhi.
- Hall, C.S., Lindzey, J.C. & Manosevitz, M. (1985): *Introduction to Theories of Personality*. New York: John Wiley & Sons

- Marx, M.H., & Hillix, W.C. (1987). *Systems and Theories in Psychology*. New York: McGraw Hill.
- Rao, K.R., Parajpe, A.C., & Dalal, A.K. (2008). *Handbook of Indian Psychology*. New Delhi: Cambridge University Press (Foundation Books Imprint)
- Woodworth, R.S., & Shehan, M.R. (1976). *Contemporary Schools of Psychology*. London: Mathew and Co.

SUGGESTED READINGS

- Boring, E.G. (1969). *A History of Experimental Psychology*. New York: Appleton Century Grafts.
- Murphy, G., & Kovach, J.K. (1992). *Historical Introduction to Modern Psychology*. Ghaziabad: New Print India Pvt. Ltd.
- Wolman, B.B. (1960). *Contemporary Theories and Systems of Psychology*. New York: Harper & Row.

MAPSY-102: SOCIAL PSYCHOLOGY

Maximum Marks: 70

Total Teaching Periods: 60

Minimum Marks: 35%

Time Allowed: 3 Hours

OBJECTIVES :

This course aims at enabling the students to:
understand the interface between society and psychology.
appreciate how individual behaviour is influenced by socio-cultural factors.
realize how social psychology can be applied to issues both at a personal level and a broader social level.
understand how social behaviour can be analysed in terms of social psychological theories.
explore social causes of human behaviour

PEDAGOGY OF THE COURSE WORK:

70 % lectures; 30 % seminars, assignments and discussion.

INSTRUCTIONS FOR THE PAPER-SETTER FOR ALL PAPERS:

The question paper will consist of three units I, II and III. Syllabus of each unit (i.e. I&II) will have two subparts. Examiner will set two questions from unit I (each question having internal choice covering both parts of syllabus of unit I) and two questions from unit II(each question having internal choice covering both parts of syllabus of unit II). Each question will carry 13 marks. Unit III is compulsory, and shall comprise 6 short answer type questions carrying 3 marks each. The short type answer should be written in approximately 50 words i.e. 7-8 lines.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt one question from each subpart of both the units I & II of the question paper and the entire unit III. The short type answer should be written in approximately 50 words i.e. 7-8 lines.

UNIT I

i) **Social Psychology:** Nature, Scope and Research Methods. Application of social psychology & newer perspectives.

Theories of Leadership: Situation approach, Trait approach, Functional approach and Fiedler's contingency model of leadership effectiveness.

ii) **Theories of social psychology:** Social exchange Theory, Role Theory, Social consistency (Cognitive dissonance theory & balance theory), Attribution: Concept and Theories (Jones and Davis, Kelley, Weiner, Heider).

UNIT II

i) **Altruism:** Concept, Theoretical perspectives

Aggression: Nature, causes, control.

ii) **Interpersonal Attraction:** Factors & theories, Group Influence: Social Facilitation & Social Loafing, De-individuation

REFERENCES

- Baron, R.A., & Byrne, D. (2000). *Social Psychology (9th Ed.)*. New Delhi: Prentice Hall of India Pvt, Ltd.
- Taylor, G.E., Peplau, L. A., and Sears, D.O. (2006), *Social Psychology*, Delhi : Pearson.
- Feldman, R.S. (1995). *Social Psychology*. New Jersey: Prentice Hall.
- Gergen, K.J., & Gergen, M.M. (1981). *Social Psychology*. USA: Library of Congress.
- Lindzey, L. & Aronson, E.(1975). *The Handbook of Social Psychology (2nd Edn.)*, Vol. II, III & IV, New Delhi: Amerind Publishing co. Pvt. Ltd., New Delhi.
- Mathur, S.S. (2004/05). *Social Psychology*, Agra: VinodPustakMandir.
- Myers, D.G. (2006). *Social Psychology (8th Edn.)*-Tata McGraw Hill International Editions.
- Raven, B.H., & Rubin, J.F. (1983). *Social Psychology*. New York: John Wiley & Sons.
- Shaver, K.G. (1987). *Principles of Social Psychology*, Lawrence Erlbaum Associates, Publisher, London.
- Shaw, M. E., & Costanzo, P.R. (1982). *Theories of Social Psychology*. New York: McGraw Hill.
- Worchel, S., Cooper, J. & Coethals, G.R. (1988) *Understanding Social Psychology*, TheDoser Press. Chicago.

MAPSY-103: EXPERIMENTAL PSYCHOLOGY

Maximum Marks: 70

Total Teaching Periods: 60

Minimum Marks: 35%

Time Allowed: 3 Hours

OBJECTIVES:

This course aims at enabling the students to:
acquire an intensive knowledge about the experimental researches and insights in the areas of conditioning and different aspects of Learning.
study research methods in Experimental Psychology
attain conceptual understanding of the field of experimental psychology

PEDAGOGY OF THE COURSE WORK:

70 % lectures; 30% seminars, assignments and discussion.

INSTRUCTIONS FOR THE PAPER-SETTER FOR ALL PAPERS:

The question paper will consist of three units I, II and III. Syllabus of each unit (i.e. I&II) will have two subparts. Examiner will set two questions from unit I (each question having internal choice covering both parts of syllabus of unit I) and two questions from unit II(each question having internal choice covering both parts of syllabus of unit II). Each question will carry 13 marks. Unit III is compulsory, and shall comprise 6 short answer type questions carrying 3 marks each. The short type answer should be written in approximately 50 words i.e. 7-8 lines.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt one question from each subpart of both the units I & II of the question paper and the entire unit III. The short type answer should be written in approximately 50 words i.e. 7-8 lines.

UNIT I

- (i) **Experimental Psychology:** Nature and History; Variables
Experimental Method

- (ii) **Psychophysics:** Basic concepts , Weber law & Fechner law
Methods of Classical Psychophysics
Signal Detection Theory: Basic Concept, Assumptions and Applications.

UNIT II

- (i) **Learning Theories:** Classical Conditioning, Instrumental Conditioning, Hull, Tolman ,
Guthrie & Bandura.

- (ii) **Verbal Learning:** Nature, Tasks, Determinants and Organizational Processes.
Discrimination Learning: Phenomena and Paradigms.

REFERENCES

- Andreas, B.G. (1968). *Experimental Psychology* Wiley Eastern Private Limited, New Delhi.
- Boring, E.G. (1966). *A History of experimental Psychology*. The Times of India Press. Bombay.
- Bourne, L.E., Dominowski, R.L., & Loftus, E.F. (1979). *Cognitive Processes*. New Jersey. Prentice Hall.
- Cicarelli, S.K. & Meyer, G.E. (2007). *Psychology* (1st Eds.). New Delhi: Pearson Publishers.
- D'Amato, M.R. (1970). *Experimental Psychology*. Tata McGraw-Hill, Inc.
- Guilford, J.P. (1954). *Psychometric Methods* (2nd ed.). New Delhi: McGraw Hill.
- Flaherty, C.F. et al (1977). *Learning and Memory*. Chicago: Rn McNally Pub. Co.
- Kling, J.W. and Riggs, L.A. (1984). *Experimental Psychology*. Khosla Publishing House, Delhi.
- Mazur (1989). *Learning and Behavior*, New Delhi: Prentice Hall of India.
- Mazur, J.E. (1986). *Learning and Behaviors*. Prentice-Hall, Inc, Englewood cliffs, N.J., U.S.A.
- McGuigan, F.J. (1990). *Experimental Psychology: Methods of Research* Prentice-Hall, Inc., Englewood Cliffs, N.J., U.S.A.
- Parry, B.G. (1968). *Experimental Psychology* Wiley Eastern Private Limited, New Delhi.
- Singh, A.(1985). *Hundal Experimental Psychology*, Bhiwani: Vedic Prakashan.
- Snodgrass, J.G., Berger, G.L., & Haydon, M. (1985). *Human Experimental Psychology*. New York: Oxford.
- Solso, R.L. (1988). *Cognitive Psychology* (2nd ed.) Allyn& Bacon.
- Woodworth, R.S., Schlosberg, H.(1971). *Experimental Psychology*. Oxford & IBH Publishing Co. Pvt. Ltd.

MAPSY-104: RESEARCH METHODS AND STATISTICS IN PSYCHOLOGY

Maximum Marks: 70

Total Teaching Periods: 60

Minimum Marks: 35%

Time Allowed: 3 Hours

OBJECTIVES:

This course aims at enabling the students to:
deal with various research techniques and assessment tools as used in the field and laboratory settings.
familiarize with co relational techniques and some multivariate techniques.
have thorough understanding of non-parametric techniques

PEDAGOGY OF THE COURSE WORK:

70% lectures; 30% seminars, assignments and discussion

INSTRUCTIONS FOR THE PAPER-SETTER FOR ALL PAPERS:

The question paper will consist of three units I, II and III. Syllabus of each unit (i.e. I&II) will have two subparts. Examiner will set two questions from unit I (each question having internal choice covering both parts of syllabus of unit I) and two questions from unit II(each question having internal choice covering both parts of syllabus of unit II). Each question will carry 13 marks. Unit III is compulsory, and shall comprise 6 short answer type questions carrying 3 marks each. The short type answer should be written in approximately 50 words i.e. 7-8 lines.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt one question from each subpart of both the units I & II of the question paper and the entire unit III. The short type answer should be written in approximately 50 words i.e. 7-8 lines.

UNIT-I

(i) Hypothesis Testing and Statistical Inference, Scales of Measurement, Tests of significance: t test & z test. Levels of Significance, Degrees of freedom, Type-I and Type-II errors,.

(ii) **Parametric versus non-parametric statistics:**

Correlation: Assumptions, types, Pearson Product Moment, Biserial, Point-Biserial, Tetrachoric and Phi-co-efficient methods.

UNIT-II

(i) Partial and Multiple Correlation (3 variables)

Regression: Assumptions, Simple and Multiple Regression (3 variables)

(ii) **Non-Parametric Statistics:** Chi-square, Median Test, Sign Test, Mann-Whitney U Test. Partial, Rank Order Correlation Coefficient.

REFERENCES

- Garrett, H.E. (1981). *Statistics in Psychology and Education*. Bombay: Vakils, Feffore and Simons.
- Richardson, P., Goodwin, A& Vine, E. (2011) *Research Methods and Designs in Psychology*. Learning Matters Ltd.
- Kerlinger, F.N., & Lee, H.B. (2000). *Foundations of Behavioural Research*. Orlando: Harcourt.
- Minium, E.W., King, B.M., & Bear, G. (1993). *Statistical Reasoning in Psychology and Education. (3rd Ed)*. New York: John Wiley and Sons.
- Schweigert, W.A. (1998). *Research Methods in Psychology*. CA: Brooks Cole Publishing.
- Singh, A.K. (1986). *Tests Measurements and Research Methods in Behavioural Sciences*. New Delhi; Tata McGraw Hill.
- Aron, A., Aron, E.N., & Coups, E.J. (2006). *Statistics for Psychology*. (4th Edition). Delhi: Pearson Education.
- Blalock, H.M. (1984). *Social Statistics (2nd Ed.)*. Washington: McGraw-Hill.
- Siegal S. (1971) *Non Parametric Statistics*. McGraw Hill Winer, B.J. *Statistical Principles in Experimental Designs*, New York: McGraw Hill Ltd.
- Mangal, S.K. (1987). *Statistics in Psychology and Education*. New Delhi: Tata McGraw Hill Publishing Company Ltd.

MAPSY-105: PRACTICALS (COMPULSORY)

Max. Marks: 70

Section A: Familiarization with Psychological instruments (30 Marks)

Give brief description of apparatus, it's functioning and application. (Do any 5 out of 8)

1. Phi-Phenomenon Apparatus
2. Two Hand Coordination Test
3. Portable Tachistoscope
4. Hoffman Concept Formation
5. Model of Brain
6. Audio Visual Reaction Time Apparatus
7. Maze Learning
8. Memory Apparatus
9. Biofeedback Apparatus
10. Lie detector

Section B: Field Studies (Do any 4 from the following)

(30 Marks)

1. Pro-social Behaviour
2. Aggression
3. Leadership
4. Social Loafing/Social Facilitation
5. Attribution

COMPUTERS

Max. Marks: 10

The parts of Computer System and their organization, their uses.

Introduction to: Processor, Memory, Input & Output Devices, Storage, Software

Familiarity with Windows, MS-Word, MS-Excel and MS-PowerPoint.

Brief introduction to internet and its application.

SEMESTER-II

MAPSY-201: COGNITIVE PSYCHOLOGY

Maximum Marks: 70

Total Teaching Periods: 60

Minimum Marks: 35%

Time Allowed: 3 Hours

OBJECTIVES

This course aims at enabling the students to:

Develop an insight into one's own and others' behaviour and underlying mental processes
enrich their understanding of major concepts, theoretical perspectives and empirical findings in
cognitive psychology

acquire an intensive knowledge about the cognitive researches and insights in the areas of

Attention, Perception, Memory and language

understand, predict and modify human thinking and reasoning for the benefit of individual as
well as society

PEDAGOGY OF THE COURSE WORK:

70% lectures; 30% seminars, assignments and discussion

INSTRUCTIONS FOR THE PAPER-SETTER FOR ALL PAPERS:

The question paper will consist of three units I, II and III. Syllabus of each unit (i.e. I&II) will have two subparts. Examiner will set two questions from unit I (each question having internal choice covering both parts of syllabus of unit I) and two questions from unit II(each question having internal choice covering both parts of syllabus of unit II). Each question will carry 13 marks. Unit III is compulsory, and shall comprise 6 short answer type questions carrying 3 marks each. The short type answer should be written in approximately 50 words i.e. 7-8 lines.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt one question from each subpart of both the units I & II of the question paper and the entire unit III. The short type answer should be written in approximately 50 words i.e. 7-8 lines.

UNIT-I

- (i) **Cognitive Psychology:** Nature and History
Domains of Cognitive Psychology: Cognitive neuroscience, Pattern Recognition, Artificial Intelligence and consciousness

- (ii) **Attention:** Characteristics, Models & Neural Basis of attention.
Perception: Nature, Determinants, Perceptual Organization, Perceptual Constancy, Plasticity of Perception.

UNIT-II

- (i) **Memory:** Types and Models.
Forgetting: Nature and theories.
Thinking: Types, Tools; Problem Solving: Strategies & Factors.

- (ii) **Concept Formation:** Nature, Types, Factors.
Reasoning: Types and Errors.
Language: Properties, Structure and Processes of Language Acquisition, Language Acquisition Device (LAD)

REFERENCES

- Best, J.B. (1994). *Cognitive Psychology* (4th Eds.) New York: West Publishing Company.
- Dodd, D.H., & White, D.N. (1980). *Cognition*. Boston: Allyn and Bacon
- Ellis, H.C., & Hunt, R.R. (1993). *Fundamentals of Cognitive Psychology*. Oxford: Brown and Benchmark.
- Eysenck, M.W., & Keane, M.P. (2000). *Cognitive Psychology: A students guide*, Psychology Press.
- Galotti, K.M. (2000), *Cognitive Psychology, in and out of the Laboratory*. Thomson
- Jahnke, J.C. & Nowaczyk, R.H. (1998). *Cognition*. New Jersey: Prentice Hall.
- Kellogg, R.T. (1995). *Cognitive Psychology*. Thousand Oaks: Sage
- Matlin, M. (1983). *Cognition*. Holt Saunders, Japan: Holt, Rinehart and Winston.
- Medin, D.L., Ross, B.H., & Markman, A.B. (2002). *Cognitive Psychology*. New York. John Wiley & sons, Inc.
- Robinson-Reigler, G., & Robinson-Reigler, B. (2004). *Cognitive Psychology: Applying the Science of Mind*. Boston, MA: Pearson/Allyn & Bacon.
- Solso, R.L. (1992). *Cognitive Psychology* (3rd Ed). Boston: Allyn and Bacon Inc.
- Sternberg, R.J. (2007). *Cognitive Psychology*, Thomson.
- Friedenberg, J. & Silverman, G. (2012) *Cognitive Science: An Introduction to the study of Mind*. Sage Publications: New Delhi.

MAPSY-202: PHYSIOLOGICAL PSYCHOLOGY

Maximum Marks: 70

Total Teaching Periods: 60

Minimum Marks: 35%

Time Allowed: 3 Hours

OBJECTIVES

This course aims at enabling the students to:
introduce different physiological systems involved in behaviour
understand how bio-psychology is relevant in our daily lives
provide knowledge of biological causes of behaviour

PEDAGOGY OF THE COURSE WORK:

70% lectures; 30% seminars, assignments and discussion

INSTRUCTIONS FOR THE PAPER-SETTER FOR ALL PAPERS:

The question paper will consist of three units I, II and III. Syllabus of each unit (i.e. I&II) will have two subparts. Examiner will set two questions from unit I (each question having internal choice covering both parts of syllabus of unit I) and two questions from unit II(each question having internal choice covering both parts of syllabus of unit II). Each question will carry 13 marks. Unit III is compulsory, and shall comprise 6 short answer type questions carrying 3 marks each. The short type answer should be written in approximately 50 words i.e. 7-8 lines.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt one question from each subpart of both the units I & II of the question paper and the entire unit III. The short type answer should be written in approximately 50 words i.e. 7-8 lines.

UNIT-I

- (i) **Physiological Psychology:** Its origin and Relation with other disciplines of Neuroscience.
Research Methods: Stimulation, Ablation, Behavioral & Neuropsychological Testing,
Brain Imaging techniques: ECT, CAT, SQUID, MRI, FUNCTIONAL MRI, PET, CT
- (ii) **Neuron:** Types & Functions.
Central Nervous System: Structure & Functions.
Peripheral Nervous System: Structure & Functions.

UNIT-II

- (i) **Endocrine Glands:** Characteristics, Types and Functions.
- (ii) **Physiological Basis:** Senses (Visual and auditory), Learning
Memory, Emotions, Sleep & Wakefulness.

REFERENCES

- Beatty, J. (1975). *Introduction to Physiological Psychology*. California: Brooks/Cole Publishing Company.
- Bennett, T.L. (1977). *Brain and Behaviour*. California: Brooks/Cole.
- Carlson, N.R. (1995). *Foundations of Physiological Psychology*. U.S.A.: Allyn & Bacon.
- Leukel, F. (1985). *Introduction to Physiological Psychology*. Delhi: B.S. Publishers and Distributors.
- Levinthal, C.F. (1996). *Introduction to Physiological Psychology* (3rd Ed.). New Delhi: Prentice Hall.
- Pinel, J.P.J. (2007). *Biopsychology (6th Edition)*. New Delhi: Pearson Education, Inc.
- Young, J.Z. (1978). *Programs of the Brain*. London: Oxford University Press.

MAPSY-203: EXPERIMENTAL DESIGNS IN PSYCHOLOGY

Maximum Marks: 70

Total Teaching Periods: 60

Minimum Marks: 35%

Time Allowed: 3 Hours

OBJECTIVES

This course aims at enabling the students to:
employ various statistical techniques for psychological research
acquaint with the types of factor designs
have through knowledge of multiple comparison tests

PEDAGOGY OF THE COURSE WORK:

70% lectures; 30% seminars, assignments and discussion

INSTRUCTIONS FOR THE PAPER-SETTER FOR ALL PAPERS:

The question paper will consist of three units I, II and III. Syllabus of each unit (i.e. I&II) will have two subparts. Examiner will set two questions from unit I (each question having internal choice covering both parts of syllabus of unit I) and two questions from unit II(each question having internal choice covering both parts of syllabus of unit II). Each question will carry 13 marks. Unit III is compulsory, and shall comprise 6 short answer type questions carrying 3 marks each. The short type answer should be written in approximately 50 words i.e. 7-8 lines.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt one question from each subpart of both the units I & II of the question paper and the entire unit III. The short type answer should be written in approximately 50 words i.e. 7-8 lines.

UNIT-I

- i. **Factor analysis:** Nature and basic assumptions, Confirmatory & Exploratory factor analysis, problems of factor analysis
- ii. **Nature and Assumptions of ANOVA.**
Randomized Group (Single factor Experimental Design)
Randomized Complete Block Designs (Single Subject and n subjects each cell)

UNIT-II

- i. **Factorial Designs:** Two way and three way ANOVA
- ii. **Multiple Comparison tests:** Duncan's and Newmankeuls Tests.

Analysis of Covariance Design (Single Factor)

REFERENCES

- Broota, K.D. (1990) Experimental Designs in Behaviour Research, Willey Eastern Ltd., New Delhi.
- Edwards, A.L.(1972) Experimental Designs in Psychological Research, Holt Rinehard and Winston Ltd., New York
- Kerlinger, F.N.(1964) Foundations of Behavioural Research Holt, Rienhart& Winston Ltd., New York.
- McGuigan, F.J. (1990) Experimental Psychology, Methods of Research Prentice- Hall Private Ltd. New
- Nunnally, J. C. (1978). Psychometric theory, 2nd edition. New York: McGraw-Hill.

MAPSY-204: ENVIRONMENTAL PSYCHOLOGY

Maximum Marks: 70

Total Teaching Periods: 60

Minimum Marks: 35%

Time Allowed: 3 Hours

OBJECTIVES

This course aims at enabling the students to:
understand key concepts in the field of environmental psychology.
gain knowledge of major theories dealing with human-environment relations.
develop knowledge of research methods applied to study human-environment relations.
be aware of the impact of your physical surroundings on your behaviour

PEDAGOGY OF THE COURSE WORK:

70% lectures; 30% seminars, assignments and discussion

INSTRUCTIONS FOR THE PAPER-SETTER FOR ALL PAPERS:

The question paper will consist of three units I, II and III. Syllabus of each unit (i.e. I&II) will have two subparts. Examiner will set two questions from unit I (each question having internal choice covering both parts of syllabus of unit I) and two questions from unit II(each question having internal choice covering both parts of syllabus of unit II). Each question will carry 13 marks. Unit III is compulsory, and shall comprise 6 short answer type questions carrying 3 marks each. The short type answer should be written in approximately 50 words i.e. 7-8 lines.

INSTRUCTIONS FOR THE CANDIDATES

Candidates are required to attempt one question from each subpart of both the units I & II of the question paper and the entire unit III. The short type answer should be written in approximately 50 words i.e. 7-8 lines.

UNIT- I

- (i) **Environmental Psychology**-Nature and Scope.
Theoretical Perspective: Brunswik, Gibson, Barker, Brofenbrenner.
- (ii) **Personal Space:** Nature and Theories.
Territoriality: Theories and Measurement.

UNIT-II

- (i) **Environmental Problems with reference to India:** Crowding, Pollution: Noise, air and water
- (ii) **Environment and Health Behaviours:**
Role of Psychologist in environment management, promotion & programs of Eco-friendly behaviour (Solar system, Green Energy companies, Recycling Plants)

REFERENCES

- Baum, A., & Singer, J.E. (1980). *Advances in Environmental Psychology- Vol-II: Application of Personal Control*. New Jersey: Lawrence Erlbaum Associates.
- Bechtel, R.B. (1997). *Environment and Behaviour: An Introduction*. Thousand Oaks: Sage Publications.
- Bell, P.A., Green, T. C., Fisher, J.D. and Baum, A. (2001). *Environmental Psychology* Harcourt College Publishers, New York
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MAPSY-205: PRACTICALS (COMPULSORY)

Max. Marks: 70

Cognitive Testing (Do any 6 from the following)

(60 Marks)

1. Assessment of Memory
2. Concept Formation
3. Problem Solving
4. Reasoning
5. Meta-cognition
6. Cognitive distortion
7. Biofeedback
8. Crowding
9. Critical thinking

Computers

(10 Marks)

Data Analysis with the help of MS-Excel: Z-Score, Correlation, t-ratio, Partial and Multiple Correlation, Simple Regression Analysis.

Cyber Crime and its Prevention