# MASTER OF SCIENCE

IN

# **APPLIED PSYCHOLOGY**

BoS Approved Draft Curriculum and Syllabus (Applicable from the Academic Session 2021-22)



Maulana Abul Kalam Azad University of Technology, West Bengal (Formerly West Bengal University of Technology)

Haringhata — 741249, Nadia, West Bengal, India



Main Campus: NH 12, Haringhata, Post Office - Simhat, Police Station - Haringhata, Pin - 741249 City Campus: BF-142, Sector -I, Salt Lake, Kolkata -700 064

# **SEMESTER WISE SYLLABUS**

# **SEMESTER I**

SI	Course	Туре	Course Title	Course	Нс	urs	Cre	dit
No.	Code			Туре	L	Т	Р	С
THE	ORY							
1	MSCAPY-	Theory	Applied Cognitive	CC	4			4
	101		Psychology					
2	MSCAPY-	Theory	Personality Theories and	CC	4			4
	102		Applications					
3	MSCAPY-	Theory	Statistical Methods for	CC	4			4
	103		Applied Psychology					
4	MSCAPY-	Theory	Research Methods in	CC	4			4
	104		Applied Psychology					
PRA	CTICAL							
6	MSCAPY-	Practical A	Practical on Personality	СС			4	4
	191	Practical B	Practical on Statistical				4	
			Packages (SPSS)				'	
		Tot	al			1	I	20



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#### SEMESTER 1

CORE COURSE (CC) CREDIT - 4 (TOTAL HOURS - 40)

#### TITLE- APPLIED COGNITIVE PSYCHOLOGY

Course Code- MSCAPY 101

At the end of the course, the students will be able to:

CO No.	Course Outcomes	Bloom's Level	Assessment technique
CO-1	<b>Define</b> the basic principles of cognitive psychology and neuroscience	L1	Assessment through MCQ questions
CO-2	<b>Explain</b> the working principle of the various domains of cognitive psychology	L <sub>2</sub>	Assessment through LAQ
CO-3	<b>Use</b> the principles to explain human cognitive functioning and challenges	L3, L2	Assessment through Poster Making
CO-4	Compare and Contrast the different perspectives to make a coherent sense of behavior	L4	Assessment through Poster making

# MODULE I: INTRODUCTION TO COGNITIVE AND NEUROPSYCHOLOGY (5 HOURS, 8 MARKS)

- Concept of Cognitive and Neuropsychology; historical perspectives of cognitive and neuropsychology
- The basics of neuroanatomy, cognitive psychology, and biological basis of behavior. The brain behaviour linkage, structure and functions of the brain.
- Methods of cognitive psychology. The relations and applications of cognitive and neuropsychology in neuroscience and computer science.
- Application of cognitive psychology in the management of neuro-degenerative diseases, and learning disability.

# MODULE II: BASIC COGNITIVE PROCESSES (8 HOURS, 14 MARKS)

- Consciousness: the concept of conscious and the unconscious, correlates of consciousness and unconscious, models of consciousness
- Attention: Concept, factors, theories of attention; neuropsychological basis of attention
- Perception: Concept, factors, theories of perception; neuropsychological basis of perception; concept of pattern recognition
- Applying basic cognitive processes



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- Sleep and wakefulness
- Signal detection and vigilance

# MODULE III: LEARNING, MEMORY, AND LANGUAGE COMPREHENSION (8 HOURS, 14 MARKS)

- Cognitive approaches of learning, biochemical basis of learning
- Language process, language acquisition, brain and language; Transformational grammar; cognitive tasks involved in reading, writing, and speaking;
- Classical and modern approaches to memory, short term memory, long term memory, working memory; Neurological basis of memory.
- Special types of memory Flashbulb memory, eyewitness memory, tip of the tongue phenomena, autobiographical memory, False memories.

# MODULE IV: INTELLIGENCE, EXECUTIVE FUNCTIONING, AND DECISION MAKING (8 HOURS, 14 MARKS)

- Concept and neuropsychological bases of Intelligence.
- Concept of Artificial Intelligence and its role in cognitive psychology.
- Cognitive theories of intelligence: Sternberg, Cattell, Vernon, Gardner.
- Executive functioning: concept, frontal control, frontal and pre-frontal functions,
- Decision Making: Heuristics & Biases, The Framing Effect, Overconfidence in Decisions.

# MODULE V: THINKING, REASONING, PROBLEM SOLVING, AND CREATIVITY (5 HOURS, 8 MARKS)

- Higher order thinking and Problem solving: Definition, Types of Problems; Newell and Simon's Theory. Problem Solving Strategies; Factors that Influence Problem Solving; Impediments to Problem solving.
- Creativity: Nature, factors affecting, measuring, approaches to creativity; Biological bases of creativity; enhancing creativity
- Reasoning: Deductive reasoning and Inductive Reasoning; Types and Errors in Reasoning Process.



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# MODULE VI: EMOTION AND EMOTIONAL INTELLIGENCE (6 HOURS, 12 MARKS)

- Cognitive Perspectives of emotion; Non-verbal Communication and emotion; biological bases of emotion.
- Emotional intelligence: concept, biological and psychological models; social cognition, executive control system, and emotional intelligence
- Applications of EI
  - In interpersonal relationships
  - In workplace

### Suggested readings:

- Cognition 8<sup>th</sup> edition by Margaret Matlin, John Wiley & Sons Inc.
- Cognitive Psychology: A Student's Handbook 5<sup>th</sup> edition by Eysenck and Keane, *Psychology Press*
- ➤ Handbook of Cognition and Emotion, edited by Tim Dalgleish, *John Wiley & Sons Inc*
- Cognitive Psychology 5<sup>th</sup> edition by Robert J. Sternberg, *Wadsworth Cengage Learning*.
- Cognitive Psychology: Mind and Brain by Smith & Kosslyn, *Pearson*.



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CORE COURSE (CC) CREDIT - 4 (TOTAL HOURS - 40)

#### TITLE- PERSONALITY THEORIES AND APPLICATIONS

Course Code- MSCAPY 102

At the end of the course, the students will be able to:

CO	Course Outcomes	Bloom's	Assessment
No.		Level	technique
CO-1	<b>Define</b> Personality and its different facets	L1	Assessment through
			MCQ questions
CO-2	<b>Explain</b> the various perspectives of Personality in	L <sub>2</sub>	Assessment through
	details		LAQ
CO-3	<b>Use</b> the principles to assess human behavior	L3, L2	Assessment through
			assignments and viva
			voce
CO-4	Compare and Contrast the different	L <sub>4</sub>	Assessment through
	perspectives to make a coherent sense of		Poster making
	behavior		

# MODULE I: INTRODUCTION TO PERSONALITY STUDIES – A PEEP INTO THE HISTORY (3 HOURS, 6 MARKS)

- Psychology and the study of personality From the time of the witch hunts to a more modern lens
- Nomothetic and Idiographic approach incorporating both Eastern and Western Lens
- Evolution of the perspectives from temperament and character to traits and types
- Application of personality studies in different fields of applied psychology clinical and community psychology, Industrial and Organizational behaviour, health and stress management, counselling and rehabilitation.

# MODULE II: PSYCHOANALYTIC AND PSYCHODYNAMIC THEORIES AND THEIR APPLICATIONS (10 HOURS, 16 MARKS)

- First Age psychodynamic theories Freud and Classical Psychoanalysis, Adler, Jung, Girindrashekhar Bose
- Neo Freudians Horney, Fromm, Erikson
- Object Relations and Interpersonal approach Klein, Winnicott, Sullivan



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#### MODULE III: TRAIT AND TYPE APPROACHES (10 HOURS, 16 MARKS)

- Cattell's 16 personality factors
- Allport's approach of Dispositions
- Costa and McCrae's Five Factor Concept
- Eysenck's Typological approach
- Ashton and Lee's HEXACO model

#### MODULE IV: BEHAVIOURAL THEORIES (5 HOURS, 8 MARKS)

### Approaches of

- B. F. Skinner
- Albert Bandura
- Dollard and Miller

### MODULE V: HUMANISTIC AND EXISTENTIAL THEORIES (6 HOURS, 12 MARKS)

- Humanistic approaches Maslow and Rogers
- Existential perspectives Viktor Frankl, Rollo May, Irvin Yalom
- Social Investment Approach
- Narrative Identity Approach

# MODULE VI: ASSESSMENT OF PERSONALITY – TECHNIQUES AND MEASURING DEVICES (6 HOURS, 12 MARKS)

- Non-Projective Techniques Observation, Interview, Paper pencil tests (NEO 5, SSCT, EPQ, TCI)
- Projective Techniques Rorschach Inkblot Test, Thematic Apperception Test, Draw a Person Test

#### Suggested Readings:

- A History of Personality Psychology: Theory, Science, and Research from Hellenism to the Twenty-first Century by Frank Dumont, *Cambridge*
- > Theories of Personality, 8<sup>th</sup> edition, by Feist & Feist, McGraw Hill
- Making sense of People: Decoding the Mysteries of Personality by Samuel Barondes, *Pearson*
- Personality Psychology: Domains of Knowledge about Human Nature, 4<sup>th</sup> edition, by Larsen and Buss, *McGraw Hill*



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### CORE COURSE (CC) CREDIT - 4 CONTACT HOURS - 40

#### TITLE- STATISTICAL METHODS FOR APPLIED PSYCHOLOGY

### Course Code- MSCAPY 103

At the end of the course, the students will be able to:

СО	Course Outcomes	Bloom's	Assessment
No.		Level	technique
CO-1	<b>Define</b> Statistics and its different types	L1	Assessment through
			MCQ questions
CO-2	<b>Explain</b> the methods of generating and testing	L <sub>2</sub>	Assessment through
	hypotheses		LAQ
CO-3	<b>Use</b> the statistics to confirm or disprove	L3, L2	Assessment through
	hypotheses		assignments and LAQ
CO-4	Compare and Contrast the different statistical	L <sub>4</sub>	Assessment through
	approaches to choose the best approach in any		assignments
	situation		

### MODULE I: INTRODUCTION TO DATA ANALYSIS (5 HOURS, 8 MARKS)

- Meaning of Statistic and Statistics
- Methods of representing data (line graph, bar diagrams, pie charts, histograms, scatter plots, box plots)
- Statistical models and approaches, parametric and non-parametric
- Types of statistics: descriptive, inferential, predictive.

# MODULE II: CENTRAL TENDENCY AND VARIABLITY (6 HOURS, 12 MARKS)

- Centrality and the Normal Probability Curve
- Measurement of central tendency Mean, Median, Mode
- Measurement of variability Range, Average Deviation, Standard Deviation, Quartile Deviation, Variance

### MODULE III: DESCRIPTIVE STATISTICS (8 HOURS, 14 MARKS)

- Correlation analysis
  - Pearson bi-variate r
  - o Spearman's rho
  - o Biserial & Point biserial
  - o Tetrachoric & Yule's Phi
- Partial correlation
- Multiple correlation



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• Using correlation in research settings

# MODULE IV: INFERENTIAL AND PREDICTIVE STATISTICS (8 HOURS, 14 MARKS)

- Methods of hypothesis testing
- Student's t
- ANOVA one-way, two-way, repeated measures, multivariate
- Regression analysis linear, multiple
- Using inferential and predictive statistics, concept of effect sizes,

# MODULE V: NONPARAMETRIC STATISTICS (8 HOURS, 14 MARKS)

- Chi square
- Mann-Whitney U test
- Median Test
- Kruskal Wallis Test

# MODULE VI: USING STATISTICAL PROCEDURES THROUGH SOFTWARES (5 HOURS, 8 MARKS)

Learning to use the applications of

- SPSS
- Python
- R software

### Suggested Readings:

- Statistics for psychologists by Brian S. Everitt, Lαwrence publishers
- Intermediate Statistics for Dummies by Deborah Rumsey, Wiley Publishing, Inc.
- Statistics in Psychology and education by Henry E. Garrett, *Paragon international* publishers
- The art of statistics learning from data by David Spiegelhalter, *Pelican books*
- > Statistics for social sciences by Asthana and Bhushan, *Phi learning*
- > Statistics without tears: An introduction for non-mathematicians by Derek Rowntree, *Penguin*
- > Statistics in psychology and education by SK Mangal, *Phi learning*



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CORE COURSE (CC) CREDIT - 4 CONTACT HOURS - 40

#### TITLE- RESEARCH METHODS IN APPLIED PSYCHOLOGY

COURSE CODE- MSCAPY 104

At the end of the course, the students will be able to:

CO	Course Outcomes	Bloom's	Assessment
No.		Level	technique
CO-1	<b>Define</b> the different approaches to research	L1	Assessment through
			MCQ questions
CO-2	<b>Explain</b> the methods of conducting research	L2	Assessment through
			LAQ
CO-3	<b>Use</b> appropriate research methods to undertake	L3, L2	Assessment through
	assignments and projects		assignments
CO-4	Compare and Contrast the different research	L4	Assessment through
	methods to choose the best approach according		assignments
	to the research problem		

# MODULE I: INTRODUCTION TO RESEARCH (5 HOURS, 8 MARKS)

- Psychological research: exploratory, descriptive and explanatory;
- Characteristics of a good scientific research
- Process of research
- Ethics in psychological research
- Biases in psychological research

# MODULE II: SAMPLING TECHNIQUES (6 HOURS, 12 MARKS)

- Meaning and need for sampling
- Probability sampling techniques
- Non-probability sampling techniques
- Setting criteria for sampling

## MODULE III: RESEARCH DESIGNS (8 HOURS, 14 MARKS)

- Meaning, nature and factors of a research design
- Experimental research design: randomized, matched group, factorial
- Quasi-experimental research design time series, longitudinal, cross-sectional, one group pre-test post-test.
- Single subject research designs



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# MODULE IV: UNDERSTANDING THE STEPS IN TEST CONSTRUCTION (8 HOURS, 14 MARKS)

- Need for construction of tests. Basic approaches in test construction
- Item analysis
- Analysis of reliability of a test
- Analysing the Validity of a test
- Establishing the Norms of the test
- Preparing and publishing the manual

# MODULE V: QUALITATIVE RESEARCH (8 HOURS, 14 MARKS)

- Meaning of qualitative research. Difference between qualitative and quantitative research.
- Concepts and approaches in qualitative research phenomenology, ethnography, grounded theory, narrative analysis
- Process of qualitative research

# MODULE VI: METHODS OF COLLECTING AND ANALYSING QUALITATIVE DATA (5 HOURS, 8 MARKS)

- Methods of collecting data observation, interviewing, life history narrative, archival analysis, diaries, photographs, films, documentary evidence, conversations and recordings
- Methods of analysis content analysis, thematic analysis, discourse analysis, axial and focused coding techniques.

### Suggested Readings:

- Research methodology: Methods and techniques by Kothari and Garg, New age international publishers.
- Tests, measurements and research methods and behavioural sciences by AK Singh, Bharti Bhawan Publisher.
- Introduction to Research methods in Psychology by Dennis Howitt and Duncan Cramer, *Pearson*
- Qualitative research methods in psychology: combining the core approaches by Nollaig Frost, McGraw Hill
- Psychological Testing by Anastasi & Urbina, Macmillan
- Foundations of Behavioural Research by Fred N. Kerlinger, Surject Publications.



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CORE COURSE (CC) CREDIT -2+2CONTACT HOURS -40+40

COURSE CODE- MSCAPY 191

## PRACTICAL I (CORE) - CREDIT 2 (PRACTICAL ON PERSONALITY)

- Non-projective tests EPQ-R, HEXACO, TCI
- Projective Tests RIBT, TAT

### PRACTICAL II (CORE) – CREDIT 2 (PRACTICAL ON STATISTICAL PACKAGES)

 Understanding and demonstrating the working knowledge of Statistical Packages for Social Sciences (SPSS) software



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# **SEMESTER II**

SI Course		TYPE Course Title		Course	Но	urs	Cre	dit
No.	Code			Туре	L	Т	Р	С
THE	ORY							
		T	Γ=	T		l	ı	
1	MSCAPY-	Theory	Psychology and society	CC	4			4
	201	Tl	D. d. d	66				
2	MSCAPY-	Theory	Psychology of development	CC	4			4
<u> </u>	MSCAPY-	Theory	Biological Foundations of	СС	,			,
3	203	THEOLY	Behavior	CC	4			4
4	MSCAPY-	Theory	Psychology for Happiness	СС	4			4
7	204		and Positivity		-			7
SESS	SIONAL	I	,					
					ı	ı	ı	
5	MSCAPY-	Sessional	Applied Social Psychology	SEC			4	2
	281		Project					
			A. Media and Psyche					
			or					
			B. Ethnographic					
	146645)/	6	analysis	65.6				
6	MSCAPY-	Sessional	Project on wellbeing	SEC			4	2
DDA	CTICAL							
PRA	CTICAL							
7	MSCAPY-	Practical I	Practical on social	СС			4	2
,	291		psychology				'	
0	MSCAPY-	Practical II	Dunatical on Dalayatian	СС				_
8		Practical II	Practical on Relaxation procedures	()			4	2
	292		procedures					
		То	tal		24	ı		



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#### **SEMESTER 2**

CORE COURSE (CC) CREDIT - 4 CONTACT HOURS - 40

#### TITLE- APPLYING PSYCHOLOGY IN THE SOCIETY

#### COURSE CODE- MSCAPY 201

At the end of the course, the students will be able to:

CO No.	Course Outcomes	Bloom's Level	Assessment technique
CO-1	<b>Define</b> the different social concepts	L1	Assessment through MCQ questions
CO-2	<b>Explain</b> the evolving nature of social relationships	L2	Assessment through LAQ
CO-3	<b>Use</b> appropriate social methods to undertake assignments and projects	L3, L2	Assessment through assignments
CO-4	Compare and Contrast the different social concepts to make a coherent sense of the changing times	L4	Assessment through assignments

#### MODULE I: INTRODUCTION TO SOCIAL PSYCHOLOGY

- Society, psyche and behaviour.
- Impact of social relations on individuals.
- Evolution of human behaviour in a changing world.

#### MODULE II: SOCIAL THINKING

- The concept of self: Self-esteem, self-control, presenting the self, self-serving bias
- Social cognition and Person Perception
- Attitudes and the light it sheds on the self

#### **MODULE III: SOCIAL INFLUENCE**

- Groups and the influence it has on people; Conformity, compliance, and obedience
- Culture and gender
- Role of religion, family, work, peer on social behaviour; Crowd and mob

### **MODULE IV: SOCIAL RELATIONS**

- Prosocial behaviours and Altruism.
- Aggression: Theories, types, how it develops, how it can be reduced.
- Stereotypes, marginalization, prejudice, discrimination, intolerance.
- Interpersonal attraction and intimacy.



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#### MODULE V: SOCIAL PSYCHOLOGY IN PRACTICE

- Social determinants of clinical psychopathology
- Globalization and consumerism
- Political and environmental propaganda
- Body Language and Behavioural Analysis

# Suggested reading:

- Exploring Social Psychology, 6<sup>th</sup> edition by David Myers, *Mc Graw Hill*
- Social Psychology by Sanderson, Wiley & Sons
- Social Psychology and Human Nature by Baumeister & Bushman, Thomson Wadsworth
- ➤ People Watching: The Desmond Morris Guide to Body Language by Desmond Morris, RHUK
- Cross Cultural Psychology: Contemporary Themes and Perspectives by Kenneth D. Keith, Wiley-Blackwell
- > Social Psychology, 12<sup>th</sup> edition by Taylor, Peplau, & Sears, *Peαrson*



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CORE COURSE (CC) CREDIT - 4 CONTACT HOURS - 40

#### TITLE- DEVELOPMENT ACROSS THE LIFESPAN

**COURSE CODE- MSCAPY 202** 

At the end of the course, the students will be able to:

CO	Course Outcomes	Bloom's	Assessment
No.		Level	technique
CO-1	<b>Define</b> the different levels and stages of prenatal	L1	Assessment through
	and postnatal human development		MCQ questions
CO-2	<b>Explain</b> the different principles surrounding the	L2	Assessment through
	domains of development		LAQ
CO-3	Use appropriate models to understand the	L3, L2	Assessment through
	developmental context of real-life examples		assignments
CO-4	Compare and Contrast the different	L4	Assessment through
	developmental models to make a coherent sense		assignments
	of the different stages of life of individuals		

### **MODULE I: INTRODUCTION TO DEVELOPMENT**

- Basic terms related to development and factors of development
- Approaches to study of development: Psychoanalytical, Behavioral and Cognitive
- Research methods in developmental study
- Application of knowledge of developmental problems in various fields

### MODULE II: PRENATAL, PERINATAL AND POSTNATAL DEVELOPMENT

- Brief understanding of prenatal, perinatal & postnatal development
- Hazards, deviation & their implications
- Attachment styles. Impact on the infant

# MODULE III: PHYSICAL AND SPEECH DEVELOPMENT

- Development of gross and fine motor skills
- Stages in the development of speech
- Factors affecting speech and physical development
- Challenges in physical and speech development



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#### **MODULE IV: COGNITIVE DEVELOPMENT**

- Piaget's concept of cognitive development
- Vygotsky's socio-cultural theory of development
- Siegler's model of strategy choice
- Applying the models into practice

## MODULE V: SOCIAL, EMOTIONAL, AND MORAL DEVELOPMENT

- Social development across lifespan, sex-role identification, social roles and responsibilities, problems in the old age
- Development of positive and negative emotions, factors affecting emotional development, emotional regulation across age groups, emotional problems across age groups
- Moral development approaches (Piaget, Kohlberg, Greene's Moral cognition, Haidt's Moral foundations concept), moral competence approach, utilitarianism.
- Hazards in the domains of social, emotional, and moral development.

#### MODULE VI: PERSONALITY DEVELOPMENT

- Development of the self and personality factors in the process
- Stages of development Freud's psychosexual stages, Erikson's psychosocial stages, May's existential approach.
- Formation and development of identity, sexuality, actualization across lifespan, issues in old age.
- Hazards in personality development across lifespan
- Applications in clinical psychology field

## Suggested readings: -

- ➤ Developmental Psychology: childhood and adolescence, 8<sup>th</sup> edition by Shaffer & Kipp, *Wadsworth*
- Discovering the Lifespan, 2<sup>nd</sup> edition by Robert Feldman, *Pearson*
- ➤ Life-span Development, 13<sup>th</sup> edition by John Santrock, *Mc Graw Hill*
- Life-span Human Development, 6<sup>th</sup> edition by Sigelman & Rider, Wαdsworth



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CORE COURSE (CC) CREDIT - 4 CONTACT HOURS - 40

#### TITLE- BIOLOGICAL FOUNDATIONS OF BEHAVIOUR

COURSE CODE- MSCAPY 203

At the end of the course, the students will be able to:

CO	Course Outcomes	Bloom's	Assessment
No.		Level	technique
CO-1	<b>Define</b> the structure and functions of the nervous	L1	Assessment through
	system		MCQ questions
CO-2	<b>Explain</b> the the process of neural development	L2	Assessment through
	and the role of plasticity in development and		LAQ
	recovery of function.		
CO-3	<b>Use</b> the understanding of nervous system to	L3, L2	Assessment through
	recognize brain systems mediating sexual and		assignments
	reproductive behaviour, emotions, learning,		
	memory, and consciousness.		
CO-4	Compare and Contrast the different biological	L4	Assessment through
	models and methods to make sense of different		assignments
	human conditions		

#### MODULE I: BASIC FEATURES OF THE NERVOUS SYSTEM

- Structure of neurons, types, functions, Neural conduction, Neurotransmitters
- Basic features of nervous system, Meninges, Ventricular system, Cerebrospinal fluid, Blood brain barrier,
- Peripheral nervous system: Cranial Nerves, Spinal Nerves, Autonomous nervous system.

#### MODULE II: THE STRUCTURE AND FUNCTIONING OF CENTRAL NERVOUS SYSTEM

- Major structures and functions of the Spinal Cord and the Brain: Fore brain, Mid brain, Hind brain,
- Cerebral cortex- frontal, temporal, parietal and occipital lobes.
- Assessing the lobe functions

### MODULE III: BIOPSYCHOLOGY OF COGNITIVE FUNCTIONS

- Learning: Nature of learning, kinds of learning, Synaptic plasticity
- Memory: Types of memory, Neurological basis of memory, Brain damage and dysfunction of memory
- Language: Lateralization, Speech production, Comprehension, disorder of readings and writing.



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#### MODULE IV: BIOPSYCHOLOGY OF AROUSAL AND EMOTION

- Physiological correlations of Arousal: consciousness and sleep, Factors affecting consciousness.
- Sleep: Stages of sleep, brain mechanisms of sleep and dreaming, physiological mechanisms
  of sleep and waking, disorders of sleep, Physiological correlates of emotions, anxiety and
  aggressive behaviour.
- Physiological correlates of emotions, anxiety and aggressive behaviour.

### **MODULE V: BIOPSYCHOLOGY OF STRESS**

- Stress Physiology of Stress and related diseases (Headache, Cardiovascular diseases, Hypertension, Diabetes, Asthma, Rheumatoid Arthritis).
- Stress related Psychological Disorders (anxiety disorders and Depression)

#### MODULE VI: METHODS IN BIOPSYCHOLOGY

### Scanning techniques

- X-ray
- CT scan
- PET scan
- SPECT scan
- MRI
- fMRI
- Bio feedback technique

#### Suggested Readings: -

- Clinical Neuropsychology, 4<sup>th</sup> edition by Kenneth Heilman, Oxford University Press
- Foundations of Physiological Psychology, 6<sup>th</sup> edition by Neil Carlson, *Pearson*
- Fundamentals of Human Neuropsychology, 5<sup>th</sup> edition by Kolb and Whishaw, Worth
- ➤ Handbook of Functional Neuroimaging of Cognition, 2<sup>nd</sup> edition by Cabeza & Kingstone
- Introduction to Neuropsychology, 2<sup>nd</sup> edition by J. Beaumont, *The Guilford Press*



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CORE COURSE (CC) CREDIT - 4 CONTACT HOURS -40

#### TITLE- PSYCHOLOGY FOR HAPPINESS AND POSITIVITY

**COURSE CODE- MSCAPY 204** 

At the end of the course, the students will be able to:

CO	Course Outcomes	Bloom's	Assessment
No.		Level	technique
CO-1	<b>Define</b> what positive psychology is about	L1	Assessment through
			MCQ questions
CO-2	<b>Explain</b> the the process of flow and other	L2	Assessment through
	positive experiences		LAQ
CO-3	<b>Use</b> the understanding of positive psychology	L3, L2	Assessment through
	across major domains of life		assignments
CO-4	Compare and Contrast the different approaches	L4	Assessment through
	to make sense of recent global changes		assignments

#### MODULE I: INTRODUCTION TO POSITIVE PSYCHOLOGY

- Nature of positive psychology
- Positive experiences and states (happiness, gratitude, compassion, resilience)
- Well-being, hope and life satisfaction

#### **MODULE II: MAJOR APPROACHES**

- PERMA approach
- Concept of flow and engagement
- Diener's tripartite theory
- Ryff's six factor model
- Eastern approaches

#### MODULE III: POSITIVE PSYCHOLOGY AND WORK LIFE

- Understanding the world of work and diverse workforce
- Positive work environment for individuals and organizations
- Positive work life balance
- Building psychological capital (positive team culture, positive relationships, harnessing character strengths)
- Training to boost resilience

#### MODULE IV: MEANING IN LIFE



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- Meaning making process in daily life bridging positive and nihilistic existentialism
- Paradox of choice
- Meaning of happiness
- Sources of meaning making in life

#### MODULE V: PSYCHOLOGY OF SPECIFIC CONFLICTS AND PEACE EFFORTS

- War Ethics and Geneva Convention
- Role of organizations in promoting Peace; accounts and challenges
- Life, peace and culture
- Role of Peace education
- Collaboration
- Humility and social values in promoting peace in individual and social living.

#### MODULE VI: RECENT TRENDS IN POSITIVE PSYCHOLOGY RESEARCH

- Lyubormisky's Happiness Pie
- Dweck's Growth Mindset
- Dolan's Action change theory
- Fredrickson's Broaden and Build approach

### Suggested Readings: -

- Beyond Positive Thinking by Robert Anthony
- Finding Flow by Mihaly Csikszentmihalyi
- Handbook of Positive Psychology by Snyder and Lopez, Oxford University Press
- Learned Optimisn by Martin Seligman
- Positive Psychology: The science of happiness and human strengths by Alan Carr
- Happiness by Design by Paul Dolan



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# SKILL ENHANCEMENT COURSE (SEC)

CREDIT -2CONTACT HOURS -40

#### TITLE- APPLIED SOCIAL PSYCHOLOGY PROJECT

**COURSE CODE- MSCAPY 281** 

At the end of the course, the students will be able to:

СО	Course Outcomes	Bloom's	Assessment
No.		Level	technique
CO-3	Use the understanding of social psychology carry	L3, L2	Assessment through
	out fieldwork		assignments
CO-4	Compare and Contrast the different approaches	L <sub>4</sub>	Assessment through
	to make sense of collected data		assignments

Project work to be done on any one of the following

- Project related to the role of Media (print, video, social media) on Human behaviour
- Project based study of any social context via the method of Ethnography

### SKILL ENHANCEMENT COURSE (SEC) CREDIT - 2

CREDIT - 2 CONTACT HOURS - 40

#### TITLE- PROJECT ON WELLBEING

**COURSE CODE- MSCAPY 282** 

At the end of the course, the students will be able to:

CO No.	Course Outcomes	Bloom's Level	Assessment technique
CO-3	<b>Use</b> the understanding of positive psychology carry out fieldwork	L3, L2	Assessment through assignments
CO-4	Compare and Contrast the different approaches to make sense of collected data	L <sub>4</sub>	Assessment through assignments

Project work to be done on studying the level of resilience and psychological well-being of caregivers who have been dealing with a specific group of psychological or physical disorders.



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CORE COURSE (CC) CREDIT –2CONTACT HOURS -40

TITLE-PRACTICAL ON SOCIAL PSYCHOLOGY

COURSE CODE- MSCAPY 291

- Practical on studying group effect on problem solving
- Practical on studying cohesiveness in a social group

CORE COURSE (CC) CREDIT –2CONTACT HOURS -40

TITLE- PRACTICAL ON RELAXATION PROCEDURES

COURSE CODE- MSCAPY 292

Understanding and demonstrating the working knowledge of different relaxation techniques like

- JPMR, Guided Imagery
- Mindfulness