

RESTRUCTURED SYLLABUS FOR THREE YEAR B.A. DEGREE PROGRAMME IN PSYCHOLOGY

For FY, SY and TY B.A to be implemented progressively from
2007-08 onwards.

(Schedule of papers for Semester I, II, III, IV, V and VI)

2007-08

Semester I

Paper I – Fundamentals of Psychology

Semester II

Paper II – Fundamentals of Psychology

2008-2009

Semester III

Paper III - Social Psychology

Semester III - Allied Related to Major

Psychology of Adjustment

Semester IV

Paper IV - Psychology of Adolescence.

Semester IV- Allied Related to Major.

Child Psychology or Psychology of Aging

2009-2010

Semester V

Paper V - Criminal Psychology
Paper VI – Health Psychology
Paper VII – Abnormal Psychology-I
Paper VIII – Psychological Testing
Paper IX – Experimental Psychology
Paper X – Psychology Practicum - I
Paper XI - Project

Semester VI

Paper XII – Statistics
Paper XIII – Organisational Behaviour
Paper XIV – Abnormal Psychology-II
Paper XV – Neuropsychology
Paper XVI – Cognitive Psychology
Paper XVII – Psychology Practicum II
Paper XI - Project (Continuation of Semester V)

For V & VI Semester Majors (Third Year)

Each Semester : 100
Internal Assessment (2 ISA's) : 20
End Semester : 80

Major Paper (I, II, III, IV) (3 periods of 45 mins.)

Internal Assessment (2 ISA's) : 15
End Semester : 60
Practicals : 25

Allied Related to Major (5 periods of 45 mins.)

Internal Assessment (2 ISA's) : 20
End semester : 80

Project (as per the Project Manual provided by the Goa University)

Internal Assessment : 50 (Project Report : 20, Field Work : 20, Attendance : 05, Record : 05)
External Assessment : 50 (Viva Voce : 25, Project Work : 25)

THREE YEARS B.A. DEGREE PROGRAM
2007 - 2008 onwards

SEMESTER I

MAJOR, PSYCHOLOGY

PAPER-I : FUNDAMENTALS OF PSYCHOLOGY

Contacts Periods: (3T) + (3P) duration of 45mts each

No of lectures per week	: 03
No of practicals per week/batch	: 01
Internal Assessment	: 15 marks
End Semester Exam	: 60 marks
ISA (2)	: 15 marks
Practicals	: 25 marks

<u>I) Understanding Psychology</u>	(15 periods)	<u>Author/s</u>
(i) Psyche and Science	...	Lahey
(ii) Definition of Psychology and Goals of Psychology	...	Lahey
(iii) The Historical origins of Psychology - Nature-Nurture Debate The beginning of Scientific Psychology: Structuralism and Functionalism, Behaviourism, Gestalt Psychology, Psychoanalysis	}	Atkinson & Hilgard
(iv) Contemporary Perspectives in Psychology: Biological Perspective, Sociocultural Perspective.	}	Lahey
(v) What Psychologists Do? Fields of Psychology Relationship between Psychology and Psychiatry		
(vi) Scientific Methods: Descriptive Methods, Correlational Methods, Formal Experiments		
(vii) Ethical Principles of Research: Ethics of Research with Human Participants, Ethics of Research with Animal Subjects		
<u>II) Biological Foundations of Behaviour</u>	(15 periods)	
(i) Neurons-the building blocks of the Nervous System, Action Potentials, Synaptic transmission	}	Atkinson & Hilgard

...2

- (ii) The Organization of the Nervous System ... Atkinson & Hilgard
 - Divisions of the Nervous system
 - a) Peripheral Nervous System ... Lahey
 - b) Autonomic Nervous system ... Lahey
 - c) The Central Core
 - d) The Limbic System
 - e) The Cerebrum
 - f) Techniques to Obtain Pictures of the Living Brains

(iii) The Endocrine System, Chemical Messengers of the Body. Lahey

- (iv) Genetic influences on Behaviour
 - Biological Blueprints
 - Biological Mechanisms of Inheritance
 - Genes and Chromosomes
 - Dominant and Recessive Traits

III) Sensation and Perception (15 periods) Rathus

- (i) Vision: Light, the Eye, Rods and Cones, Light Adaptation
 Visual Perception: Perceptual Organisation, Perception of Movement, Depth Perception, Perceptual Constancies.
 Theories of Colour Vision, Trichromatic Theory, Opponent Process Theory
- (ii) Hearing: Making sense of Sound, Pitch and Soundness. The Ear, Locating Sounds, Perception of Loudness and Pitch, Deafness
- (iii) The Chemical Senses: Smell and Taste
- (iv) The Skin Senses: Touch, Pressure, Temperature and Pain
- (v) Kinesthesia and the Vestibular Sense.

IV) Learning (15 periods) Rathus

- (i) Definition of learning
- (ii) Classical Conditioning :
 - What is Classical Conditioning?
 - Stimuli and Responses in Classical Conditioning
 - Factors in Classical Conditioning, Extinction and Spontaneous Recovery.
 - Generalization and Discrimination
 - Applications of Classical Conditioning, Bed Wetting
 - Flooding & Systematic Desensitization
 - Counter Conditioning
- (iii) Operant Conditioning:
 - Edward Thorndike (Law of Effect)
 - B.F. Skinner and Reinforcement
 - Types of Reinforces – Positive and Negative, Immediate and Delayed, Primary and Secondary

Factors in Operant Conditioning, Extinction & Spontaneous Recovery
Reinforcer's v/s Rewards & Punishments
Schedules of Reinforcement
Applications of Operant Conditioning, Biofeedback Training
Token Economies
Avoidance Learning
Behaviour Modification
Programmed Learning
Counter Conditioning

- (iv) Theoretical Interpretation of Learning
- Cognitive Learning
 - Place Learning
 - Latent Learning
 - Insight Learning and Learning Sets
- } Lahey

Books for study & Reference,-

1. Ratus, Spencer, A. Psychology in the New Millennium, (2002), USA, Harcourt College Publishers, Eight Editions.
2. Smith, Edward, Nolen –Hoeksema, Susan, Fredrickson, Barbara and Loftus, Geoffrey. (2003) Atkinson & Hilgard's Introduction to Psychology, Thomson Wordsworth, Bangalore, 14th Edition, First Indian Reprint.
3. Lahey, Benjamin, B. (1998) Psychology, An Introduction, USA, TATA McGraw Hill Publishing Company Limited, Sixth Edition.

PRACTICALS

PAPER-I: FUNDAMENTALS OF PSYCHOLOGY-I (ANY EIGHT)

- | | |
|---|----------------------------------|
| 1) Imagery (Galton's Questionnaire Method) | (Dandekar, Pg. 157) |
| 2) Distraction of Attention | (Dandekar, Pg. 165) |
| 3) Fluctuation of Attention | (Kuppuswamy, Pg. 58- 59, Pg 159) |
| 4) Learning: Letter – Digit Substitution | (Dandekar, Pg 179) |
| 5) Whole V/s. Part Learning | (Parameswaran & Rao, Pg 115) |
| 6) Optical Illusion | (Parry & Adisheshiah, Pg. 144) |
| 7) Division of Attention | (Dandekar, Pg 145) Pg 161) |
| 8) Colour Preference | (Parmeswaran and Rao, Pg 87) |
| 9) Mapping the Blind Spot | (Parmeswaran and Rao, Pg 53) |
| 10) Perception (Reversible Perspective) | (Dandekar, Pg 167) |
| 11) Perception (Selection and Grouping) | (Dandekar Pg 168) |
| 12) Localization and Identification of Pressure Stimuli | (Parry and Adisheshiah, Pg 111) |

SEMESTER II

MAJOR, PSYCHOLOGY

PAPER-II: FUNDAMENTALS OF PSYCHOLOGY-II

Contract Periods: (3T) + (3P) of 45 minutes each

No of lectures per week	: 03
No of practicals per week/batch	: 01
Internal Assessment	: 15 marks
End Semester Exam	: 60 marks
ISA (2)	: 15 marks
Practicals	: 25 marks

		<u>Author/s</u>
I) Memory and Forgetting (15 periods)		
Three stages of memory, An Information Processing View. Sensory Register, Short Term Memory: Rehearsal, Chunking Long Term Memory: Types, Organization, Retrieval Differences between STM and LTM		Lahey
II) Cognition		
i) Concepts: The building blocks of thought Functions of Concepts Prototype Acquiring Concepts	}	Atkinson & Hilgard
ii) Reasoning: Deductive Reasoning Inductive Reasoning		
iii) Thought in action - Problem Solving: Approaches to problem solving - understanding the problem, Algorithms, Heuristics, Analogies Factors that affect Problem Solving – Expertise, Mental Set, Insight, Incubation, Functional Fixedness	}	Rathus
III) Motivation and Emotion (15 periods)		
i) Definition of motives		
a) Biological Motives - Homeostasis, Hunger, Thirst	}	Lahey
b) Opponent Process Theory of Motives		
c) Maslow's Hierarchy of Motives	}	Rathus
d) Psychological Motives – Aggression, Achievement, Affiliation, Stimulus Motive		
ii) Emotions, Definitions Bodily Changes and Emotions Facial Expression and Emotion Emotion, Gender and Culture Theories of Emotions	}	Atkinson & Hilgard Lahey

IV) Sexuality (15 periods)

- i) Early Sexual Development
 - Adult Sexuality
 - Effect of Hormones on Desire & Arousal
 - Early Experiences
 - Cultural Influences
 - Sex Differences
 - ii) Sexual Orientation
 - iii) Sexual Response, The Sexual Response Cycle
 - iv) Sexual Coercion, Rape and Sexual Harassment
- } Atkinson & Hilgard
- } Rathus

Books for Study and Reference:

1. Rathus, Spencer, A. Psychology in the New Millennium, (2002), USA, Harcourt College Publishers, Eighth Edition.
2. Smith, Edward, Nolen- Hoeksema, Susan, Fredrickson, Barbara and Loftus, Geoffrey. (2003), Atkinson & Hilgard's Introduction to Psychology, Thomson Wordsworth, Bangalore. 14th Edition, First Indian Reprint.
3. Lahey, Benjamin, B. (1998) Psychology, An Introduction, USA, Tata McGraw Hill Publishing Company Limited, Sixth Edition.

SEMESTER – II

PRACTICALS

PAPER-II: FUNDAMENTALS OF PSYCHOLOGY-II (ANY EIGHT)

- 1) Influence of Recitation on Recall (Parameswaran & Rao, Pg. 128)
- 2) Overlearning (Parameswaran & Rao, Pg. 127)
- 3) Serial Reproduction (Parry & Adisheshiah, Pg.193)
- 4) Retroactive Inhibition (Parameswaran & Rao, Pg. 132)
- 5) Immediate Memory (Parry & Adisheshiah, Pg.179)
- 6) Intorversion- Extraversion (Kuppuswamy, Pg. 122)
- 7) Chain Method (Kuppuswamy, Pg. 46)
- 8) Completed Tasks v/s Interrupted Tasks (Parry & Adisheshiah, Pg.184)
- 9) Comparison of recall and recognition as modes of measuring retention (Parameswaran & Rao, Pg. 123)
- 10) Recall & Recognition by word list method (Parameswaran & Rao, Pg. 124)
- 11) Judgement of Emotions from facial expressions (Parry & Adisheshiah, Pg.267)
- 12) Colour Preference (Parameswaran & Rao, Pg. 87)

Books for Study and Reference:

1. Parameswaran, E. & Rao, B., Taramanohar, (1968), *Manual of Experimental Psychology*, Lalvani Publishing House, Bombay.
2. Parry, John & Adisheshiah, William, *Experimental Psychology*, (1977), Allied Publishers Private Limited, Bombay.
3. Kuppuswamy, B, *Elementary Experiments in Psychology*, Geoffrey Cumberlege Oxford University Press.
4. Dandekar, W.N., *Fundamentals of Experimental Psychology* (1999), Pune Anmol Prakashan 683, Budhwar Peth. 3rd Edition.

MAJOR: PSYCHOLOGY

SEMESTER - III PAPER-III: SOCIAL PSYCHOLOGY

No of lectures per week	: 03
No of practicals per week/batch	: 01
Internal Assessment	: 15 marks
End Semester Exam	: 60 marks
ISA (2)	: 15 marks
Practicals	: 25 marks

I) **Social Psychology: A Working Definition**

Social Psychology focuses on the Behaviour of Individuals
Social Psychology seeks to understand the causes of Social Behaviour and Thought
Influence of a Cognitive Perspective
Research Methods in Social Psychology

II) **Social Perception: Understanding Others**

Nonverbal Communication: The Language of Expressions, Gazes and Gestures
Nonverbal Communication: The Basic Channels
Attribution: Understanding the Causes of Other's Behavior.
Theories of Attribution: Frameworks of Understanding
How we attempt to make sense of the Social World
Attribution: Some Basic Sources of Errors.
Impression Formation: A Cognitive Perspective.

III) **Interpersonal Attraction: Meeting, Liking Becoming Acquainted.**

The Beginning of Attraction: Proximity and Emotion
Interpersonal Attraction: An Overview.
The Power of Proximity: Unplanned contacts can result in Attraction.
Positive and Negative Emotions: The Affective Basis for Attraction.
Becoming Acquainted: The Need to Affiliate and the Effects of
Observable Characteristics,
Immediate Determination of Interpersonal Likes and Dislikes, Similarity, Dissimilarity,
or Both? Mutual liking attraction towards those who are attracted to us.
Romantic Relationships, Love, and Physical Intimacy,
Romance : Beyond Friendships, Relationship Problems, Reactions to the Problems and the
Effects of Relationship Failure.

IV) **Social Influence Changing Other's Behaviour**

Conformity. Group Influence in Action.
Factors Affecting Conformity, Variables that determine the extent to which we "Go Along"
Compliance to ask: Sometimes – is to Receive
Compliance: The Underlying Principles
Tactics Based on Friendship or Liking: Ingratiation
Tactics Based on commitment of Consistency: The Foot in the Door and the Lowball.
Tactics Based on Reciprocity: The Door-in-the-Face and the "That's Not all Techniques"

V) Prosocial Behaviour

Responding to an Emergency: Why are bystanders sometimes helpful, sometimes indifferent?

The Decision to help in an Emergency: Five essential steps.

Situational Factors that Enhance or Inhibit Helping: Attraction, Attribution and Prosocial Models

Dispositional Differences in Prosocial Responding

Explaining Prosocial behaviour: Why do people help?, Empathy – Altruism, Negative State Relief, Emphatic joy.

Books for Study:

- 1) Baron, Robert, A. Byrne, Donn : Social Psychology, Prentice Hall of India Pvt. Ltd., New Delhi, 10th Edition.
- 2) Worchel, Stephen, Cooper, Joel, Goethals George, R., Olson, James, M., (2000) Social Psychology.
- 3) Myers, David, G. (2000) Social Psychology, Prentice Hall International, 10th Edition.
- 4) Taylor, Peplan & Sears (2000): Social Psychology, Prentice Hall International, 10th Edition.

MAJOR: PSYCHOLOGY

SEMESTER – III

PRACTICALS

PAPER-III : SOCIAL PSYCHOLOGY (ANY EIGHT)

1. Effects of Groups Opinion on the Individual's Judgement (Material: An Indefinite Number of marbles kept in a plate covered with cloth) (cf. Parameswaran & Rao pg. 160)
2. Reliability of Testimony.
(Material : A Suitable Picture and 30 Questions Regarding the Pictures with yes/no Alternatives (cf. Parry & Adisheshiah., pg 196.)
3. The Semantic Differential to Measure Meaning Held by Different People Regarding Certain Words by the Use of a Rating Scale.
(Material: 7 point rating scale) (cf. Parry & Adisheshiah, pg 222.)
4. Extrapolative Gap Filling to Study the Process of Filling Gaps in Evidence by the Exercise of the Thought Process.
(Material: 10 incomplete sentence and two incomplete stories)
5. Formation of Spontaneous Groups
(Material : Two Sociometric Questions one Positive and Other Negative) .
(cf. Parmeshwarans Rao, Pg 163.)
6. Competition, Co-operation and Work Output (Material: A Large Number of Simple Tasks of More or Less Equal Difficulty) (cf. Parmeshwaran Rao, Pg 163.)
7. Verbal Imagination
(Material: Six Letters of the English Alphabet Three of them Vowels and Three Consonants, Stopwatch) (cf. Parmeshwarans Rao, Pg 140).
8. Personality Test (any one)
9. Aptitude Test (any one)
10. Aptitude Scale (any one)

Books for Reference:

1. Parmeswaran, E.G. & Rao, B. Taramanohar (1962) Manual of Experimental Psychology, Lalvani Publishing House, Bombay.
2. Kuppuswamy, B., Elementary Experiments in Psychology, Geoffrey Cumberlege, Oxford University Press.
3. Parry J. & Adisheshiah, W. (1977) Experimental Psychology, Allied Publishers Pvt. Ltd., Bombay.
4. Lane, H. & Bem, D. (1969) A Laboratory Manual for the Control & Analysis of Behaviour, New Delhi, Prentice Hall of India Pvt. Ltd..

MAJOR – PSYCHOLOGY

SEMESTER III

ALLIED RELATED TO MAJOR- PSYCHOLOGY OF ADJUSTMENT

No of lectures : 5 per week
ISA (2) : 20
End Semester : 80

I) Overview of Adjustment:

What is Adjustment?, Adjustment and Normality, Adjustment State or Process,
Characteristics of Effective Adjustment-

- Accurate Perception of Reality
- Ability to Cope with Stress and Anxiety
- A Positive Self Image
- Good Interpersonal Feelings

Controlling your own Behavior

The 10 Hallmarks of Well Being

II) Emotional Intelligence

Our Two Minds

A Different Kind of Intelligence, Can Emotions be Intelligent?

IQ and Emotional Intelligence – Pure types

Emotional Intelligence Applied – Managing with the Heart

- Dealing with Diversity
- Organizational Savvy and Group IQ

III) Issues in Sexual Adjustment

Attitudes about Sex.

The Paraphilia's (deviant sexual practices)

- Fetishism
- Transvestistic Fetishism
- Incest
- Pedophilia
- Voyeurism
- Exhibitionism
- Rape
- Sexual Sadism and Sexual Masochism
- Paraphilias not otherwise specified.

IV) Careers and Work

Choosing a Career - Models for Career Choice and Development

The Changing World of Work, Coping with Occupational Hazards -

- ...Job Stress
- ...Sexual Harassment
- ...Unemployment

Balancing work and other spheres of life.

Application ---getting ahead in the job game

- ...Putting together a Resume
- ...Interview

V) Marital Adjustment

Predictors of marital success

Marital adjustment across the family life cycle

Vulnerable areas in marital adjustment, Divorce

Books for Reference:

1. Wayne, Weiten & Lloyd, Margaret (2003). Psychology Applied To Modern Life--- Adjustment in the 21st Century, Thomson Learning Inc., New Delhi. 7th Edition.
2. Haber, Audrey & Runyon, Richard Psychology of Adjustment, The Dorsey Press, Illinois (1984).
3. Goleman, Daniel (1995), Emotional Intelligence ---Why It Can Matter More Than IQ, Bantam Books, New York.
4. Davison, Gerald, C., Neale, John, M., (1990). Abnormal Psychology, USA, Johnwiley & Sons Inc. 5th Edition.

MAJOR : PSYCHOLOGY

SEMESTER – IV

PAPER – IV: PSYCHOLOGY OF ADOLESCENCE

No of lectures per week	: 03
No of practicals per week/batch	: 01
Internal Assessment	: 15 marks
End Semester Exam	: 60 marks
ISA (2)	: 15 marks
Practicals	: 25 marks

I) Nature of Adolescence:

Meaning & Definition of Adolescence, Theories of Adolescence, Goals & Developmental tasks of adolescence

II) Physical Development:

Puberty: Physical transformation in puberty, Secondary sex characteristics, Early & late Maturation, Psychological effects of bodily changes.

III) Emotional Development in Adolescence:

Integrative & Disintegrative emotions, Emotional Control & maturity

IV) The Adolescent's Social World:

Parents, Home & Family, The generation gap.

Peer Relations, Factors affecting peer conformity

Heterosexual Development, Changes in friendship during adolescence.

Sex Roles & Androgyny, Adolescent attitudes towards sex roles.

V) Adolescence Sexuality

Masturbation, Petting & Intercourse, Sexually Transmitted Infections, Pregnancy during Adolescence, The Importance & Nature of Sex Education.

VI) Problems during Adolescence

Drug Use & Abuse, Delinquency, Runaways, Coping with Death & Dying, Chronically Ill Adolescents

Books for Reference:

1. Steinberg, L., (2002) Adolescence, N.Y. McGraw Hill, 6th Edition.
2. Santrock, J.W. Adolescence, McGraw Hill, 9th Edition.

SEMESTER – IV

PRACTICALS

PAPER-IV : PSYCHOLOGY OF ADOLESCENCE (ANY EIGHT)

1. A Study of Group Discussions to Assess the Level of Participation.
(Materials: Topics for Discussion, Stopwatch, Rating scale for Evaluation – Parry & Adisheshiah, pg 343)
2. Autocratic and Democratic Groups and Work Output
(Materials : A large number of simple tasks of more or less equal difficulty – Parmeshwaran & Rao, pg.164)
3. Free Association Test.
(Material : Kent & Rosanoff , List with frequency table and manual)
4. Strength of Motives
(Materials : A list of 30 words consisting of 10 words each pertaining to 3 motives, Stopwatch – Parmeshwaran & Rao, Pg. 86)
5. Memory for Names and Faces.
(Materials: A set of 10 photographs with names and numbers, another set of the same with numbers only, Stopwatch-Kuppuswamy, Pg.105)
6. Effect of Nature of Work on Work Output.
(Materials: A vowel cancellation list and a long list of mathematical problems – Parmeshwaran & Rao, Pg.99)
7. Any one Projective Technique.
8. Intelligence Scale (any one)
9. Aptitude Test (any one)
10. Interest Scale (any one)

MAJOR - PSYCHOLOGY

SEMESTER IV

ALLIED RELATED TO MAJOR CHILD PSYCHOLOGY

No of lectures : 5 per week
ISA (2) : 20
End Semester : 80

I) Important Considerations in Development:

- a) Principles of Development
- b) Domain of Development : Physical, Cognitive and Psycho Social.
- c) Development Issues.
- d) Genetic Counseling : Who should receive Counseling?
Genetic Testing
Human Genome Project

II) Prenatal Development and Birth:

- a) From Zygote to Newborn: The Germinal Period, The period of Embryo, The Period of Fetus
- b) Teratology and Hazards to Prenatal Development : Teratology, Maternal Disease & Condition, AIDS, Drugs, Environmental Hazards
- c) Stages of Birth, Delivery Complications.
Childbirth Strategies -
 - i) Standard Childhood.
 - ii) Prepared / Natural Childbirth
 - iii) Leboyer Method
 - iv) Childbirth today.
 - v) Father's participation
- d) Sudden Infant Death Syndrome.

III) Physical Growth and Development (Birth to Late Childhood)

- a) Brain : Growth and Development
- b) Height and Weight.
- c) Motor Skills, Gross Motor Skills and Fine Motor Skills.
- d) Sensory and Perceptual Capacities.
- e) Skeletal and Muscular System
- f) Nutrition.

IV) Cognitive Development (birth to late childhood)

- a) Piaget's Stages of Cognitive Development
 - i) Sensorimotor Thought (6 stages)
 - ii) Preoperational Thought (5 stages)
 - iii) Concrete Operational Thought (conservation and classification)
 - iv) Formal Operational Thought (characteristics)
- b) Vygotsky's Theory of Cognitive Development
 - i) Zone of Proximal Development.
 - ii) Language and Thought

V) Psychosocial Development (birth to late childhood)

- a) Emotional Development
 - i) First day and months
 - ii) Further growth in emotionality
 - iii) Social referencing & self awareness.
- b) Social Development:
 - i) Attachment and its importance
 - ii) The Self & Self Understanding
 - iii) Theory of Parent Child relationship
 - iv) Erikson's Psychosocial Development (first 4 stages)
- c) Moral Development: Kohlberg's Theory.

Books for Study :-

- 1) Santrock, John. W., Child Development (2007), Tata McGraw Hill, New Delhi, 11th Edition.
- 2) Berger, K.S. & Thompson, R.A: The Developing Person: Through the Lifespan (1998) (N.Y) Worth Publishers, 4th Edition.
- 3) Hurlock, Elizabeth, Child Development (1978) New Delhi, Tata McGraw Hill, 6th Edition.
- 4) Schickendanz, J., Schickendanz, D., Hansen, K. & Forsyth, P.(1993). Understanding Children, Mayfield Publishing Company, 2nd Edition.
- 5) Papalia, D., Olds, S., Feldman, R. (2004) Human Development. Tata McGraw Hill, 9th Edition.

MAJOR – PSYCHOLOGY

SEMESTER IV

PSYCHOLOGY OF ADOLESCENCE OR PSYCHOLOGY OF AGING

No of lectures per week	: 03
No of practicals per week/batch	: 01
Internal Assessment	: 15 marks
End Semester Exam	: 60 marks
ISA (2)	: 15 marks
Practicals	: 25 marks

I) Aging

- i) Why study Aging?
- ii) The Concept of Age and Successful Aging
- iii) Ageism
- iv) Aging and Culture
- v) Age-related Changes in Sex Roles.

II) Demographics and Aging

- i) Birth and Death Rates in India and Goa.
- ii) Sex Ratio and Dependency Ratio in India & Goa.
- iii) Life Expectancy and Demographic Transition
- iv) Changes in Age Structure
- v) Impact of Population Aging in India and the World – Implications.

III) Physiological and Sensory Processes in Aging

- i) Theories of Aging : Genetic and Non-Genetic Theories.
 - Physiological Theories
 - Psychological Theories
 - Sociological Theories
- ii) Biological Aging
- iii) Aging and Sensory Processes
- iv) Aging and Physical Ability
- v) Brain Aging and its Measurement.
- vi) Muscle Atrophy, Balance, Postural Stability and Falls

IV) Cognitive and Psychological Changes in Aging.

- i) Self Conception of Age-related Memory Loss.
- ii) Attention and Learning
- iii) Explaining Memory Loss: Biological Approach
 - Information – Processing Approach
 - Contextual Approach
- iv) Developmental Changes in Intelligence
- v) Factors responsible for Developmental Changes in Intelligence
- vi) Changes in Personality: Self Concept, Interests, Moral Orientations.
- vii) Psychological and Social Aspects of Aging in India.

V) Disease, Aging and Death

- i) Psychopathology of Aging : Common Diseases During Old Age
Common Psychological Disorders
- ii) Mental Health and Aging:
- iii) Mental Health and Psychological Changes in Aging.
- iv) Mental Health of Older People in India
- v) Delaying Aging
- vi) Support in Aging
- vii) Perspectives on Indian Research on Aging.

Books for reference :

1. Ramamurthi, P.V. and Jamuna, D. (2004). Handbook of Indian Gerontology, New Delhi, Serials Publications.
2. Hoyer, Willia, J., Rybash, John, M. and Roodin, Paul, A. (1999), Adult Development and Ageing, McGraw – Hill College.
3. Cavanaugh, John, C.G. & Fields – Blanchard, F., (2002), Adult Development and Aging, USA, Wadsunth Group , 4th Edition.

Other books for reference:-

1. Belsky, J.K., (1990). The Psychology of Ageing, Theory, Research and Interventions, CA : Books / Cole Pubs Company.
2. Birren, J.E and Schare, W, (1996). Handbook of Psychology of Ageing. New York, Academic Press
3. Priti, R.N., and Jena, B., (1989). Aged in India, New Delhi, Ashish Publications.
4. Cary, S., Kart and Jennifer, M. Kinney, The Realities of Ageing - An Introduction to Gerontology., 6th Edition (2006)
5. Janet, M., Wilmoth, and Kenneth, F., Ferrao, (2006), Gerontology - Perspectives & Issues.
6. Chadha, N., K., (1997) - Aging and the Aged – Challenges before Indian Gerontology.
7. Ishwat, Modi, (2001) - Aging and Human Development, Rawat Publications.

T.Y.B.A.

MAJOR, PSYCHOLOGY

SEMESTER – V

PAPER-V: CRIMINAL PSYCHOLOGY

No of lectures	: 5 per week
ISA (2)	: 20
End Semester	: 80

- I) Criminal Psychology:**
What is Criminal Psychology?
Development of Criminal Psychology.
- II) The Social Context of Crime:**
The Extent of Criminality.
Victimization Internationally.
The Changing Nature of Crime.
Conservative and Radical Interpretations.
The Complexity of Victimization.
- III) Crime and the Public:**
Attitudes towards Crime.
Knowledge of Crime.
The Fear of Crime: Cultivation Theory, Availability Heuristic Theory, Cognitive Theory.
- IV) Theories of Crime:**
Neuropsychology of Offending.
Intelligence and Crime.
Psychoanalysis and Crime.
Addiction to Crime.
Eysenck's Biosocial Theory of Crime.
Social Learning Theory
The Social Construction of Crime.
- V) Juvenile Offenders**
Criminogenic Factors in Childhood.
Continuity of Childhood and Antisocial Behaviour
The Consequences of Social Interventions on Reducing Criminogenic Effects.
Sex Offences.
Specific Explanations of Antisocial Behaviour in Childhood.
Lifespan Development and Criminal Careers.
- VI) Violent Offenders:**
Media Influences.
Theories of Homicide.

Books for reference :

1. Howitt, Dennis, (2002), Forensic and Criminal Psychology, Prentice Hall, An Imprint of Pearson Education, Harlow.
2. Ainsworth, P.B., (2002), Psychology and Crime - Myths and Reality, Harlow, Longman.
3. Holin, C., (2006), Psychology and Crime – An Introduction to Criminological Psychology, Routledge, London and New York.

MAJOR, PSYCHOLOGY

SEMESTER – V

PAPER-VI : HEALTH PSYCHOLOGY

No of lectures : 5 per week

Int. Assess. ISA (2) : 20

End Semester : 80

I) INTRODUCTION TO HEALTH PSYCHOLOGY

Some Basic Definitions

- What is Health? An Illness - Wellness Continuum
- What is Health Psychology?
 - i) Seeing a Need: Psychologists Role in Health
 - ii) Current Perspectives on Health and Illness
 - iii) Goals of Health Psychology

II) HEALTH AND BEHAVIOUR

Lifestyles, Risk Factors and Health

Inter-Disciplinary Perspective

Problems in Promoting Wellness

What Determines People's Health Related Behavior?

- Several Factors in Health - Related Behavior
- Social, Personality and Emotional Factors
- The Role of Beliefs and Intentions
- The Role of Non-Rational Processes

III) CHRONIC ILLNESS

i) Diabetes

- The Types and Causes of Diabetes
- Health Implications of Diabetes
- Medical Regimens for Diabetes/Treatment
- Do Diabetics Adhere to their Regimens?
- Psychosocial Factors in Diabetes care

ii) Heart Disease

- Who is at risk of Heart Disease and why?
- Medical Treatment and Rehabilitation of Cardiac Patients
- The Psycho-Social Impact of Heart Disease
- Psycho-Social Interventions for Heart Disease

iii) Stroke

- Causes, Effects and Rehabilitation of Stroke
- Psycho-Social Aspects of Stroke

iv) Cancer

- The Prevalence and Types of Cancer
- The Sites, Effects and Causes of Cancer
- Diagnosing and Treating Cancer
- The Psycho-Social Impact of Cancer
- Psycho-Social Interventions for Cancer

- v) The Acquired Immune Deficiency Syndrome (AIDS)
- Risk Factors, Effects and Treatment of AIDS
 - HIV Infection to AIDS
 - The Psycho-Social Impact of AIDS
 - Psycho-Social Intervention of AIDS

IV) REDUCING SUBSTANCE USE AND ABUSE

Substance Abuse

- Addiction and Dependence
- Process Leading to Dependence

Smoking Tobacco

- Who Smokes and How Much?
- Why People Smoke and How Much?
- Smoking and Health
- Preventing Smoking
- Quitting Smoking

Alcohol Use and Abuse

- Who Drinks and How Much?
- Why People Use and Abuse Alcohol?
- Drinking and Health
- Preventing Alcohol Abuse
- Treatments for Alcohol Abuse.

Reducing Substance Use and Abuse

- Preventing Substance Abuse
- Quitting a Substance Without Therapy
- Treatment Methods to Stop Substance Use and Abuse

V) IMPROVING NUTRITION, WEIGHT CONTROL AND DIET, EXERCISE

Nutrition

- Components of Food
- What people eat?
- Nutrition and Health

Weight Control

- Desirable and Undesirable Weights
- Becoming Overly Fat
- Dieting and Treatments to Lose Weight

Exercise

- The Health Effects of Exercise
- Who gets Enough Exercise, Who Does Not and Why?
- Promoting Exercise Behavior

BOOKS FOR STUDY:

1. Sarafino, P., (2002), Health Psychology – Bio-Psychosocial Interactions, John Wiley and Sons Inc., New York, 4th Edition
2. Kaplan, Robert, M., Sallis, James, F., Jr. and Patterson, Thomas, L., (1993), Health and Human Behaviour. McGraw Hill International Editions, New York.
3. Gatchel, Robert, J., Baum, Andrew, Krantz, David, S., (1989). An Introduction to Health Psychology. McGraw Hill International Editions, New York, 2nd Edition.
4. Taylor, S.E., (1995). Health Psychology. McGraw Hill International Editions, New York, 3rd Edition.

MAJOR: PSYCHOLOGY

SEMESTER V

PAPER-VII: ABNORMAL PSYCHOLOGY-I

No of lectures : 5 per week

Int. Assess. ISA (2) : 20

End Semester : 80

I) ABNORMAL PSYCHOLOGY: AN OVERVIEW

- i. What do we mean by Abnormal Behavior?
- ii. How common are Mental Disorders?
- iii. Research Approaches in Abnormal Psychology
- iv. Historical views of Abnormal Behavior
- v. Toward Humanitarian Approaches

II) CAUSAL FACTORS AND VIEW POINTS

- i. Causes and risk factors for Abnormal Behavior
- ii. Viewpoints for Understanding the Causes of Abnormal Behavior
 - The Biological Viewpoint and Causal Factors
 - The Psychosocial Viewpoint and Causal Factors
 - The Socio-Cultural Viewpoint and Causal Factors

III) CLINICAL ASSESSMENT

- i. The Basic Elements in Assessment
- ii. Assessment of the Physical Organism
- iii. Psycho-Social Assessment
- iv. The Integration of Assessment Data
- v. Classifying Abnormal Behavior

IV) PANIC, ANXIETY AND THEIR DISORDERS

- i. The fear and anxiety response patterns
- ii. Overview of anxiety disorders and their commonalities
- iii. Specific Phobias
- iv. Social Phobias
- v. Panic disorders with and without Agoraphobia
- vi. Generalized Anxiety Disorder
- vii. Obsessive-Compulsive Disorder
- viii. Socio-Cultural Causal Factors for all Anxiety Disorders

V) MOOD DISORDERS AND SUICIDE

- i. Unipolar Mood Disorders and Causal Factors
- ii. Bipolar Disorders and Causal Factors
- iii. Socio-Cultural Factors Affecting Unipolar and Bipolar Disorders
- iv. Treatment and Outcomes
- v. Suicide and Unsolved Issues

BOOKS FOR STUDY:

1. Carson, Robert, C., Butcher, James, M, Mineka, Susan and Hooley, Jill, M. (2008). Abnormal Psychology. Pearson Education Inc. New Delhi, 13th Edition.

BOOKS FOR REFERENCE:

1. Comer, Ronald, J., Fundamentals of Abnormal Psychology. (2002). Worth Publishers, New York, 3rd Edition.
2. Hoeksema, Nolen, Susan. Abnormal Psychology. (2005). Tata McGraw Hill Publishing Company, New Delhi, 3rd Edition.

MAJOR: PSYCHOLOGY

SEMESTER VI

PAPER XII : STATISTICS

No of lectures : 5 per week

Int. Assess. ISA (2) : 20

End Semester : 80

I) THE FREQUENCY DISTRIBUTION

- i. Measures in General
- ii. Drawing up a Frequency Distribution
- iii. Graphic Representation

II) MEASURES OF CENTRAL TENDENCY

- i. Mean
- ii. Median
- iii. Mode
- iv. Calculations of Mean, Median and Mode
- v. Uses of the Three Measures
- vi. The Assumed Mean Method

III) MEASURES OF VARIABILITY

- i. Range
- ii. Quartile Deviation- Average Deviation
- iii. Standard Deviation
- iv. Calculation of the Measures of Variability
- v. Uses of these Measures of Variability

IV) CUMULATIVE DISTRIBUTION, GRAPHIC METHOD AND PERCENTILES

- i. The Cumulative Frequency Graph
- ii. Percentiles and Percentile Ranks
- iii. The Ogive

V) DIFFERENCE BETWEEN TWO MEANS

- i. Testing Significance of the Difference Between Two Means (Test)
- ii. One-Tail and Two-Tail Tests
- iii. Type I and Type II Errors

VI) CORRELATION

- i. The Meaning of Correlation
- ii. The Product Moment Coefficient of Correlation
- iii. The Rank Order Coefficient of Correlation

Books for Study:

1. Garrert, Henry, E., & Woodworth, R.S. Statistics in Psychology and Education, Bombay, Vakils, Feffy and Siman Ltd., 1979.
2. Mangal, S.K., Statistics in Psychology and Education, Tata McGraw – Hill Publ. Co; New Delhi, 1987.
3. Ferguson, George A., Statistical Analysis in Psychology and Education, Mc.Graw- Hill International Book Cn., Tokyo, 1981.
4. Edwards, Allen, L., Statistical Analysis, Holt, Rinehart & Winston, Inc., New York, 1974.

MAJOR, PSYCHOLOGY

SEMESTER VI

PAPER-XIII: ORGANISATIONAL BEHAVIOUR

No of lectures : 5 per week
Int. Assess. ISA (2) : 20
End Semester : 80

I) Fundamentals of Organisational Behaviour :

Goals, Elements/Forces, Structural Elements of an Organization
Fundamental Concepts-Nature of People, Nature of Organizations
Basic Approaches to OB-Human Resource Approach, Contingency Approach,
Systems Approach.
Challenges & Opportunities for OB – Responding to Globalization.
Managing Workforce Diversity, Improving Quality and Productivity,
Improving Peoples Skills, Empowering People, Coping with Temporaries.

II) Managing Communication:

Communication Essentials, Two Way Communication Process, Types of Communication within an Organization-Upward, Downward & Horizontal Communication, Communication Needs of Employees, Interpersonal Challenges, Cultural Challenges, Information Technologies-Internet, World Wide Web, Commercial Online Services, e-mail, Intranet.

III) Motivating and Evaluating Employee Performance

Types of Motives- Achievement, Affiliation, Competence & Power,
Models of Motivation – Theory X & Y, Herzberg's 2 Factor Model,
Motivational Challenges.
Performance Appraisals, Objectives, The Performance Appraisal Process,
Appraisal Interview, 360 Degree Feedback System, MBO, Team Evaluation and BARS.

IV) Leadership

Leadership Traits, Leadership Skills, Behavioral Styles of Leadership – Positive & Negative Leaders, Styles Based on Power, Considerate & Structured Leaders, Blake and Mouton's Managerial Grid, Path Goal Model, Contemporary Issues in Leadership – Emotional Intelligence and Leadership, Team-Leadership, Moral Leadership, Cross Cultural Leadership.

V) Participation & Conflicts

Why is Participation Popular? Benefits, Prerequisites, Programs for Participation, Sources and Effects of Conflicts, Model of Conflicts, Assertiveness.

Books for Study:

1. Newstrom, John & Davis, Keith, (2002), Organisational Behaviour: Human Behaviour at Work, Tata McGraw Hill, New Delhi, 11th Edition.
2. Hellriegel, Don, Schoum, John, W., & Woodman, Richard, W., (2001), Organizational Behaviour, South-Western College Publishing – Thomson, Lering, Inc., 9th Edition.
3. Robbins, Stephen, P., (2000), Organisational Behaviour, Prentice Hall, New Delhi – 9th Edition.
4. Luthans, Fred., (2005), Organisational Behaviour, Tata McGraw Hill International Edition, New Delhi, 10th Edition.

MAJOR: PSYCHOLOGY

SEMESTER VI

PAPER-XIV: ABNORMAL PSYCHOLOGY – II

No of lectures : 5 per week
Int. Assess. ISA (2) : 20
End Semester : 80

I) PERSONALITY DISORDERS

- i. Clinical Features of Personality Disorders
- ii. Difficulties doing Research on Personality Disorders
- iii. Categories of Personality Disorders
 - **Cluster A:** Paranoid, Schizoid and Schizotypal Personality Disorders
 - **Cluster B:** Histrionic, Narcissistic, Antisocial and Borderline Personality Disorders
 - **Cluster C:** Avoidant, Dependent and Obsessive Compulsive Personality Disorders
- iv. Treatment and Outcomes
- v. Antisocial Personality Disorder and Psychopathy

II) SEXUAL VARIANTS, ABUSE AND DYSFUNCTION

- i. Socio-Cultural Influences and Sexual Practices and Standards
- ii. Sexual and Gender Variants
- iii. Sexual Abuse
- iv. Sexual Dysfunctions

III) SCHIZOPHRENIA AND OTHER PSYCHOTIC DISORDERS

- i. Schizophrenia
- ii. The Clinical Picture in Schizophrenia
- iii. Sub-types of Schizophrenia
- iv. Causes
- v. Treatment and Clinical Outcomes

IV) SOMATOFORM AND DISSOCIATIVE DISORDERS

- i. Somatoform Disorders
- ii. Dissociative Disorders

V) COGNITIVE DISORDERS

- i. Brain Impairments in Adults
- ii. Delirium
- iii. Dementia
- iv. Amnesic Syndrome
- v. Disorders Involving Head Injuries

BOOKS FOR STUDY:

1. Carson, Robert C., Butcher, James, N, Mineka, Susan and Hooley, Jill, M, (2008). Abnormal Psychology, Pearson Education Inc and Dorling Kindersley Publishing Inc., New Delhi, 13th Edition.

BOOKS FOR REFERENCE:

1. Comer, Ronald, J., (2002) Fundamentals of Abnormal Psychology, Worth Publishers. New York, 3rd Edition.
2. Hoeksema, Nolen, Susan, (2005), Abnormal Psychology, Tata McGraw Hill Publishing Company Limited, New Delhi, 3rd Edition.

**RESTRUCTURED SYLLABUS
FOR THREE YEAR B.A. DEGREE PROGRAMME
IN
PSYCHOLOGY
FOR
SPECIALIZATION IN PSYCHOLOGY (6 UNITS)**

To be implemented progressively from 2009-10 onwards.

(Schedule of papers for Semesters V and VI)

2009-10

Semester V

Paper VIII – Psychological Testing
Paper IX – Experimental Psychology
Paper X – Psychology Practicum I
Project

2009-10

Semester VI

Paper XV – Neuropsychology
Paper XVI – Cognitive Psychology
Paper XVII – Psychology Practicum II
Project

For V & VI Semester Majors (Third Year)

Each Semester : 100
Internal Assessment (2 ISA's) : 20
End Semester : 80

Major Paper (I, II, III, IV) (3 periods of 45 mins.)

Internal Assessment (2 ISA's) : 15
End Semester : 60
Practicals : 25

Allied Related to Major (5 periods of 45 mins.)

Internal Assessment (2 ISA's) : 20
End semester : 80

Project (as per the Project Manual provided by the Goa University)

Internal Assessment : 50 (Project Report : 20, Field Work : 20, Attendance : 05, Record : 05)
External Assessment : 50 (Viva Voce : 25, Project Work : 25)

Colleges that offer 6 units are as follows :-

- 1) Carmel College, Nuvem.
- 2) MES College, Zuarinagar.
- 3) Chowgule College, Margao.
- 4) Dhempe College, Panaji.
- 5) St. Xavier's College, Mapusa.

SPECIALIZATION IN PSYCHOLOGY (6 UNITS)

MAJOR, PSYCHOLOGY

SEMESTER V

PAPER-VIII: PSYCHOLOGICAL TESTING

No of lectures : 5 per week
ISA (2) : 20
End Semester : 80

I) **Nature, Concept and Principles of Psychological Testing**

Psychological Test, Psychometric Soundness of Tests – Standardization, Sampling, Appropriate Norms, Reliability & Validity.

Type of Tests – Individual v/s Group Tests, Speed v/s Power Tests, Verbal v/s Performance Tests, Tests Categorized on the Basis of the Type of Behaviour they measure – Ability Tests, Personality Tests & Interest Tests.

Uses of Tests in Various Settings – Education, Geriatrics, Counseling, Clinical, Business, Industry, Armed Forces, Courts.

Fundamentals of Administering a Psychological Test – Advance Preparation of the Examiner, Testing Conditions, Examiner & Situational Variables, Rapport & Test Anxiety.

Rights of Test Takers – Informed Consent, Right to Test Findings, Privacy & Confidentiality.

Computerized Test Administration and Scoring

Reference Source of Tests – Test Catalogues, Test Manuals, Reference Volumes, Journal Articles, Online Databases.

II) **Norms in Psychological testing**

Norms, The Normative Sample, Developing Norms for a Standardized Test.

Types of Norms – Percentiles, Age norms, Grade norms, National Anchor Norms, Subgroup Norms, Local Norms, Standard Scores, Deviation IQ.

Criterion / Domain Referenced Test Interpretation.

III) **Reliability**

Concept of Reliability

Reliability Estimates – Test Retest, Parallel Form/Alternate Form, Split – Half, Kuder Richardson Formulas & Coefficient Alpha, Interscorer Reliability.

The Purpose of Reliability Coefficient.

IV) **Validity**

Concept of Validity

Types: Face Validity, Content Validity, Criterion Related Validity, Construct Validity
Validation Procedures

V) **Test Development**

A Brief Overview of Five Stages in the Process of Test Development.

Books for study

- 1) Cohen, Ronald, Jay & Swerdlik, (2005) Psychological Testing and Assessment – An Introduction to Tests and Measurement, Tata Mc Graw – Hill Publ. Co.Ltd., New Delhi, 6th Edition.
- 2) Anastasi, A. & Urbina (2004) Psychological Testing.

MAJOR, PSYCHOLOGY

SEMESTER V

PAPER-IX: EXPERIMENTAL PSYCHOLOGY

No of lectures	: 5 per week
ISA (2)	: 20
End Semester	: 80

I) EXPERIMENTS: RESEARCH TECHNIQUES

- i. What is an Experiment?
 - Advantages of Experiments
 - Why Experiments are Conducted?
- ii. Variables: Independent, Dependent, Control
- iii. Experimental Designs (Ref: Kantowitz, Roediger and Elmes)
 - Between Subjects Design
 - Within Subjects Design
 - Mixed Designs
 - Control Conditions
- iv. Pitfalls in Experimentation (Ref: Snodgrass)

II) PSYCHOPHYSICS

- i. Measuring Sensations (Ref: Kantowitz, Roediger and Elmes)
- ii. Detection and Discrimination (Ref: Snodgrass)
- iii. Thresholds
 - Classical Psycho-Physics (Ref: Kantowitz, Roediger and Elmes)
 - Classical Theory of Thresholds
 - No Thresholds
 - Theory of Signal Detection
- iv. Scaling Properties and Types of Measurement Scales
- v. Fechner's Law (Indirect Scaling)
- vi. Steven's Direct Scaling Method (Ref: Kantowitz, Roediger and Elmes)

III) MENTAL CHRONOMETRY (Ref: Snodgrass)

- i. Donders's Subtraction Method
- ii. Sternberg's Additive Factors Method
- iii. Posner's Same/Different Classification Method
- iv. Issues in Reaction Time

IV) CONDITIONING, MEMORY AND TRAINING

(Ref: Kantowitz, Roediger and Elmes)

- i. Types of Conditioning
 - Classical Conditioning
 - Instrumental Conditioning
- ii. Memory
 - Ebbinghaus's Contribution
 - Varieties of Memory
 - Scarborough's Experiment
 - Application: Generality of Results (Levels of Processing)

iii. Thinking

- Thorndike's Trial and Error Learning
- Insight (Kohler)
- Analogical Reasoning
- Application: Functional Fixedness
Dunker's Box Problem
Adamson's Replication

V) EXPERIMENTAL PSYCHOLOGY

(Ref: Kantowitz, Roediger and Elmes)

- i. Origins of Experimental Psychology: Contribution of Helmholtz
- ii. Early Scientific Psychology: Earnest Weber, Gustav Fechner, Wilhelm Wundt
- iii. Some Modern Trends: Cognitive Psychology, Cognitive Neuroscience
- iv. Ethics in Psychological Research: Research with Human Participants
- v. Ethics in Research with Animals

BOOKS FOR STUDY:

1. Kantowitz, Roediger and Elmes. Experimental Psychology. Wadsworth Thomas Learning.
2. Snodgrass, J.G. Levy, Berger, G. Haydon, M. (1985). Human Experimental Psychology. Oxford University Press, New York.

MAJOR, PSYCHOLOGY

SEMESTER V

PAPER-X : PSYCHOLOGY PRACTICUM I

No of lectures : 3 lectures per batch

Internal Assessment : 20

End Semester : 80

List of experiments (*Any eight of the following*)

1. Impression Formation
2. Knowledge of Results
3. Concept Formation
4. Reaction Time
5. Method of Limits
6. Method of Constant Stimuli
7. 16 PF
8. Adjustment Inventory
9. Need for Achievement
10. Projective Technique

MAJOR, PSYCHOLOGY

SEMESTER VI

PAPER-XV : NEUROPSYCHOLOGY

No of lectures : 5 per week
ISA (2) : 20
End Semester : 80

I) INTRODUCTION TO NEUROPSYCHOLOGY

- i. Methods of Visualizing and Stimulating the Living Human Brain
- ii. Recording Human Physiological Activity
- iii. Invasive Physiological Research Methods
- iv. Pharmacological Research Methods
- v. Genetic Engineering

II) SYNAPTIC TRANSMISSION

- i. The Resting Membrane Potential
- ii. Generation and Conduction of Post Synaptic Potentials
- iii. Synaptic Transmission
- iv. Neurotransmitters
- v. Pharmacology of Synaptic Transmission

III) SLEEP, DREAMING AND CIRCADIAN RHYTHMS

- i. Physiological and Behavioral Events of Sleep
- ii. REM Sleep and Dreaming
- iii. Circadian Sleep Cycles and Neural and Molecular Mechanisms
- iv. Effects of Sleep Deprivation
- v. Brain Areas Involved in Sleep
- vi. Drugs that Affect Sleep

IV) BIOPSYCHOLOGY OF PSYCHIATRIC DISORDERS

- i. Schizophrenia
- ii. Affective Disorders- Depression and Mania
- iii. Anxiety Disorders
- iv. Tourette Syndrome

Books for Study:

1. Pinel, John, (2007). Biopsychology, Pearson Education, India.
2. Kalat, James, W. (2004), Biological Psychology. Thomson Learning Wadsworth, Canada.
3. Carlson, Neil, (2000) Physiological Psychology. Sallyn and Bacon, U.S.

MAJOR, PSYCHOLOGY

SEMESTER VI

PAPER-XVI : COGNITIVE PSYCHOLOGY

No of lectures : 5 per week
ISA (2) : 20
End Semester : 80

D) HISTORY OF COGNITIVE PSYCHOLOGY

- i. A Brief History
 - Origins
 - Emergence of contemporary cognitive psychology
- ii. Current Status of Cognitive Psychology
 - Cognitive Science
 - Neuroscience
 - Artificial Intelligence
 - PDP

II) PERCEPTUAL PROCESSES

- i. Pattern Recognition : Theories of Pattern Recognition, Top-Down Processing
- ii. Attention : Divided Attention, Selective Attention, Theories

III) IMAGERY

Characteristics of mental images : Rotation, Size, Shape, Interference, Ambiguous figures, Other vision like processes

IV) MEMORY-I

- i. Sensory memory : Iconic, Echoic
- ii. STM : Size, Duration, Coding
- iii. LTM : Encoding Specificity, Mood

V) MEMORY-II

- i. Autobiographical memories
- ii. Flashbulb memory : Schemas and Memory, Memory for Action, Eyewitness Testimony, Ecological Validity
- iii. Memory improvement : Imagery, Keyword, Method of Loci, Organisation, External Memory Aids, Multimodal Memory, Metamemory

Books for Study:

1. Matlin, Margaret, W, (1998). Cognition, Harcourt Brace College. 4th Edition

Books for Reference:

1. Hunt, R. R and Ellis, Henry C. (2004) Fundamental of Cognitive Psychology, Tata McGraw Hill.

MAJOR: PSYCHOLOGY

SEMESTER VI

PAPER-XVII: PSYCHOLOGY PRACTICUM II

No of lectures : 3 lectures per batch

Internal Assessment : 20

End Semester : 80

List of experiments (*Any eight of the following*)

1. Short Term Memory
2. Coding and Retrieval
3. Method of Average Error
4. Visual Depth Perception
5. Bilateral Transfer of Training
6. Level of Aspiration
7. Differential Aptitude Test
8. Intelligence Test
9. Anxiety Scale
10. Emotional Intelligence Test