



Solapur University, Solapur

B.Sc Part – I

Psychology (Sem I & II)

Faculty of Science

Choice Based Credit System (CBCS)

(w.e.f. From June - 2016)

		Sem – I (Theory)								
Course	Paper	Title of the Paper	Hrs/ Week			Marks	UA	CA	Credit	Lect Hrs
Elective	I.	- General Psychology – I	L 2.5	T -	P -	100	70	30	2.5	45
	II.	- Human Development - I (Adolescence to Early Adulthood)	2.5	-	-	100	70	30	2.5	45
Sem – II (Theory)										
	III.	- General Psychology – II	2.5	-	-	100	70	30	2.5	45
	IV.	- Human Development - II (Middle Adulthood to late Adulthood)	2.5	-	-	100	70	30	2.5	45
- Practical -										
	Paper – I	Practical – Expt / Tests	--	--	4	100	70	30	4	120

Solapur University, Solapur
B.sc Part – I – Psychology (Sem I & II)
Faculty of Science
Choice Based Credit System (CBCS)
(w.e.f. From June, 2016)

1) Title of the course :

B.Sc. – I - Psychology - Choice Based Credit System (CBCS) 2016 – 17

2) Preamble :

This course provides a broad overview of psychology in General & Developmental psychology. It covers major theoretical perspectives & concepts including, biological perspectives, consciousness, learning, memory, intelligence, personality & life span development among adolescent to old age.

3)

4) Objectives of the course :

1. To familiarize students with the basic psychological processes
2. To explore mysteries of mind & behaviors
3. To impart skills for decision making & guiding actions in our lives
4. To make students understanding the nature of physical, cognitive, social & personality development in adolescence to old age
5. To introduce phenomenon with health related consequences

5)

6) Advantages :

1. Students can apply the psychological principles in their real life situations.
2. This syllabus helps students to learn more effectively about life span development.
3. This course helps students in understanding of human lives & advise how they should perceive their lives.
4. Students find out what is psychologically correct & what is psychologically advisable in their lives.
5. Students recognize & shape their wellbeing in future course of actions.
6. Human development helps students to develop better physical, social, cognitive & personality perspectives.
7. This syllabus provides applied information about love, marriage, educations, carrier, parenting & health in adolescence to old age.

7) Eligibility of Course :

Passed Higher Secondary Education or 10 + 2 from recognized board with science subject.

8) Durations :

The duration for the programme is one year with two semester pattern.

9) Medium of Instructions –

English

10) Structure of Course :

1. B.Sc. I comprises of total two semesters. For semester I two theory papers (Paper – I and II) having weightage 100 marks each, which consist 70 marks For University Assessment & 30 Marks for College Internal Assessment. Total 200 Marks for Theory. For semester II having two theory papers (Paper III and IV) having weightage of 100 marks each, which consist 70 marks For University Assessment & 30 Marks for College Internal Assessment. Nature of theory question paper prescribed as per by science faculty.
2. For practical paper I students will have to perform any 10 practical from the prescribed syllabus. The students will have to perform minimum 5 experiments and 5 tests and statistical problems of mean, Median and Mode. The practical examinations will be conducted at the end of academic year having weightage of 100 marks which consist of 70 marks University Assessment & 30Marks for College Internal Assessment which is distributed as follows

UA :- 70 Marks

Journal	-	20
Statistical Problem	-	10
Instructions and Conduct	-	20
Report Writing	-	10
Oral	-	10

CA : 30 Marks

Home Assignment	-	15
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Test - 15

Sem – I

Psychology Paper – I

Title of Paper: General Psychology – I

Credit : 2.5

Lect. Hrs : 45

Marks: 100

Unit – 1: The Science of Psychology

Lect. Hrs 12

- 1.1 A) Defination
B) Goals
C) Types of Psychological Professionals
- 1.2 Modern Perspectives
A) Behavioral
B) Humanistic
C) Bio Psychological
D) Cognitive
E) Socio – cultural
- 1.3 Methods
A) Naturalistic observation
B) Case Studies
C) Survey
D) Experiment

Unit – 2: Biological Perspective

Lect. Hrs 11

- 2.1 Neurons
A) Structure of Neurons
B) Neural Impulses
C) The Synapse
- 2.2 Central nervous system
A) The Brain – The Brain stem, structure under the cortex, lobes and their specialties, Associative Area of cortex.
B) Spinal Cord – Reflex Arc.
- 2.3 Peripheral Nervous System
A) Somatic
B) Autonomic

Unit – 3: Consciousness **Lect. Hrs 11**

- 3.1 Definition
- 3.2 Sleep
 - A) The necessity of sleep
 - B) Stage of Sleep
 - C) REM Sleep
 - D) Sleep disorder
- 3.3 Dream
 - A) Freuds interpretation
 - B) Activation – Synthesis hypothesis theory
 - C) What do people dream about?
- 3.4 Hypnosis
 - A) Steps of hypnotic induction
 - B) Facts and myths about hypnosis
 - C) Theories of hypnosis

Unit – 4: Basic Principles of learning **Lect. Hrs 11**

- 4.1 Definition of learning
- 4.2 Classical conditioning
 - A) Pavlov's classical expt – Stimulus Generalization and discrimination, Extinction and Spontaneous recovery, Watson and little Albert.
 - B) Elements of classical conditioning
- 4.3 Operant Conditioning
 - A) Thorndike and law of effect
 - B) B. F. Skinner – Operant conditioning
 - C) Concept of reinforcement
 - D) Punishment

Sem – I

Psychology Paper – II

Title of Paper: Human Development – I

(Adolescence to Early adulthood)

Credit : 2.5

Lect. Hrs : 45

Marks: 100

Unit – 1: Adolescence – Physical and cognitive development

Lect. Hrs 12

- 1.1 Physical Development
 - A) Growth
 - B) Puberty – Puberty in Girls Puberty in boys, body image
 - C) Nutrition, food, eating disorder
 - D) Threats to adolescents well – being – Alcohol, tobacco, sexually transmitted infections.
- 1.2 Cognitive development – Piagetian Approach to cognitive development.
- 1.3 School performance
 - A) Socio – economic status and school performance
 - B) Cyberspace
 - C) Dropping out of school

Unit – 2: Adolescence – Social and personality development Lect. Hrs 11

- 2.1 Identify
 - A) Self concept
 - B) Self esteem
 - C) Identify formation
 - D) Marica’s Approach
 - E) Depression and suicide in Adolescence
- 2.2 Relationships
 - A) Family Ties
 - B) Relationships with peers
- 2.3
 - A) Dating
 - C) Sexual relationship
 - D) Sexual orientation

Unit – 3: Early Adulthood – Physical and Cognitive development

Lect Hrs 11

- 3.1 Physical Development
 - A) The senses
 - B) Motor functioning, fitness and Health
 - C) Physical limitations and challenges – Good nutrition, obesity, physical disabilities.
- 3.2 Cognitive development
 - A) Post - formal thoughts
 - B) Perry's Approach
 - C) Schaie's stages of development
- 3.3 College
 - A) Changing college student's
 - B) College Adjustment
 - C) Gender and college performance

Unit – 4: Early Adulthood – Social and personality development

Lect. Hrs 11

- 4.1 Intimacy, liking, love
 - A) Social Clocks
 - B) Falling in love
 - C) Passionate companions love
 - D) Sternberg triangular theory
 - E) Choosing Partner
- 4.2 Relationships
 - A) What Marriage works?
 - B) Parenthood
 - C) Staying single
- 4.3 Work
 - A) The role of work
 - B) Choosing life's work
 - C) Gender and career choices

Sem – II

Psychology Paper – III

Title of Paper: General Psychology – II

Credit : 2.5

Lect. Hrs : 45

Marks: 100

Unit – 1: Memory and forgetting

Lect. Hrs 12

- 1.1 A) Defination of Memory
C) Memory Process
- 1.2 Stages of Memory
 - A) Sensory
 - B) Short term (working) memory (STM)
 - C) Long term memory (LTM)
 - D) Types of long – term information
- 1.3 Forgetting
 - A) Ebbinghaus and forgetting curve
 - B) Encoding failure
 - C) Memory trace, decay theory
 - D) Interference theory

Unit – 2: Intelligence

Lect. Hrs 11

- 2.1 Defination
- 2.2 Measuring intelligence
 - A) Binet mental ability test
 - B) Standford – Binet and IQ
 - C) The Wechsler tests
- 2.3 Theories of intelligence
 - A) Spearman
 - B) Gardner
 - C) Sternberg
- 2.4 Individual difference in intelligence
 - A) Mental Retardation
 - B) Giftedness
- 2.5 Emotional intelligence

Unit – 3: Motivation and Emotion

Lect. Hrs 11

- 3.1 Motivation – Defination

- 3.2 Approaches
 - A) Instinct approach
 - B) Drive reduction theory
 - C) Arousal approach
 - D) Incentive approach
 - E) Humanistic approach
- 3.3 Emotion – Defination
 - A) Three components of emotion
 - B) Theories of emotions – James Lange, cannon – bard, Schachter singer theory

Unit – 4: Personality Lect. Hrs 11

- 4.1 Defination of Personality
- 4.2 Freud and psychoanalysis
 - A) Divisions of the mind
 - B) Divisions of personality
 - C) Stages of personality development
- 4.3 Trait theories
 - A) All port
 - B) Cattle
 - C) The five factor model
- 4.4 Assessment of personality
 - A) Projective tests – Rorschach inkblots, TAT
 - B) Personality inventories – [MBTI, MMPI – 2]

Sem – II
Psychology Paper – IV
Title of Paper: Human Development – II
(Middle Adulthood to Late Adulthood)

Credit : 2.5

Lect. Hrs : 45

Marks: 100

Unit – 1: Middle Adulthood – Physical and cognitive development Lect. Hrs 12

- 1.1 Physical development
 - A) Height, Weight, Strength,
 - B) The senses
- 1.2 Sexuality
 - A) The female climacteric and menopause
 - B) Male climacteric
- 1.3 Health
 - A) Coronary heart disease
 - B) The threat of cancer
- 1.4 Cognitive development
 - A) Changes in crystallized and fluid intelligence
 - B) Development of expertises

Unit – 2: Middle Adulthood – Social and personality development Lect. Hrs 11

- 2.1 Personality development
 - A) Erickson's stages of generativity, VS stagnation - Building on Erickson's views, Midlife crisis
 - B) Stability and change in the big five personality traits
- 2.2 Relationships
 - A) Marriage
 - B) Divorce
 - C) Empty nest
 - D) Refilling the empty nest
- 2.3 Work
 - A) Jobs at midlife
 - B) Challenges of work
 - C) Unemployment
 - D) Careers at Midlife

Unit – 3: Late Adulthood – Physical and cognitive development Lect. Hrs 11

- 3.1 Physical development
 - A) Physical transitions in older people
 - B) The senses vision, hearing, test and smell.
- 3.2 Health
 - A) Health Problems in older People
 - B) Well – ness in late adulthood
 - C) Sexuality in old age
 - D) Approaches to aging
 - E) Post – poning aging
- 3.3 Cognitive development
 - A) Intelligence in older people
 - B) Recent conclusions
 - C) Memory changes in old age

Unit – 4: Late – Adulthood – Social and personality development Lect. Hrs 11

- 4.1 Personality development
 - A) Continuity and change in personality during late adulthood – Erickson, Peck, Levinson, Neugarten
 - B) Successful aging – disengagement theory, activity theory, continuity theory.
 - C) Living arrangements
- 4.2 Relationships
 - A) Caring of an aging spouse
 - B) Death of a spouse
 - C) Family relationships – children, grandchildren and great – grandchildren.
- 4.3 Elder Abuse

Books for Reading

❖ For paper I / III

1. Ciccarelli and Meyer (2012) *Psychology – south Asian ed. Fifth Impression 2012, pearson, Education.*

❖ For paper II / IV

1. Robert – S. Feldman (2010) – *Discovering the life span – first impression 2010, Pearson education.*

❖ Books for References (Paper I, II, III, IV)

1. Lahe Benjamin B. – (2003) *Psychology an introduction. 6th Ed. Tata McGraw-Hill 1998.*
2. Robert S. Feldman (2002) *Understanding Psychology. Tata McGraw Hill.*
3. Robert Baron (2011) *Psychology. Fifth Ed. Pearson Education.*
4. Papilla Daniel E. (1996) *Human Development. 5th Ed. Tata McGraw Hill.*
5. Hurlock Elizabeth (1996) *Development Psychology – A Life Span approach. Tata M Groups Graw Hill 1996.*
6. John W. Santrack (2007) – *Life span development. 3rd Ed. Tata MC Grew Hill 2007.*

Psychology Practical Paper – I (Annual)

Title of Paper: Experiments & Tests

Credit : 4

Lect. Hrs : 120

Marks: 100

Paper – I – Practical – Experiments / Tests

1. Pass along test
2. Ravan's Standard progressive matrix.
3. Career preference schedule
4. Introversion – Extroversion
5. Emotional Intelligence Scale
6. Aptitude test (Engineering Aptitude)
7. Achievements Motivation
8. Memory Span
9. Aspiration test
10. Problem solving (Wiggly Books)
11. Maze Learning (Stylus Maze or Bold head maze)
12. Span of Attention
13. McDougal Division of Attention
14. Habit Interference
15. Knowledge of Results
16. Transfer of Training (Cup – Ball)

Statistics

1. Mean
2. Median
3. Mode

Books for Reference

1. E. Munn – Experimental Psychology
2. Parmeshwaran – Experimental Psychology
3. Postman Egan – Experimental Psychology
4. Garrett – Statistics in Psychology and Education
5. Anastasi – psychological Testing