



Shri Sangameshwar Education Society's  
**Sangameshwar College, Solapur [Autonomous]**  
 (Affiliated to Punyashlok Ahilyadevi Holkar Solapur University, Solapur) Kannada  
 Linguistic Minority Institute  
**NAAC Accredited with 'A' Grade (III Cycle CGPA 3.39)**

**Academic Council 3(3.3)**  
**10<sup>th</sup> August, 2021**

**UG Science Programme:** B.Sc.-II to be implemented from A.Y. 2021-2022

**System:** Choice Based Credit System (CBCS) with SGPA and CGPA

**B.O.S. in\*:** **Psychology**

**Syllabus for:** Discipline Specific Core Courses (DSC-A and DSC-B)

**Structure and Examination for:** Discipline Specific Core Courses (DSC-1C and DSC-1D)

**Table-3**

Semester	Course		Teaching Scheme/week			
			Course Code	Hours	Lectures	Credits
III	DSC-1C	Theory Paper-V: Experimental Psychology	2131317	4.8	6	4
		Theory Paper-VI: Social Psychology	2131318			
		Practical-II: Experimental Psychology	2131427	6.4	8	4
	SEC-1	Theory Paper-I: Gr. B: Soil Health Management-I	2131320	4.8	6	2
IV	AECC-C	ENVIRONMENTAL STUDIES	2131315	3.2	4	4
	DSC-1D	Theory Paper-VII: Cognitive Psychology	2131417	4.8	6	4
		Theory Paper-VIII: Positive Psychology	2131418			
		Practical-III: Psychological Assessment	2131427	6.4	8	4
	SEC-2	Theory Paper-II: Gr. B: Soil Health Management-II	2131429	4.8	6	2

**Table-4**

Semester	Course		EXAMINATION			Credits
			Marks			
			CA	SEE	Total	
III	DSC-1C	Theory Paper-V: Experimental Psychology	15	35	50	2
		Theory Paper-VI: Social Psychology	15	35	50	2
	SEC-1	Theory Paper-I: Gr. B: Soil Health Management-I	15	35	50	2
IV	AECC-C	ENVIRONMENTAL STUDIES	15	35	50	4

DSC-1D	Theory Paper-VII: Cognitive Psychology	15	35	50	2
	Theory Paper-VIII: Positive Psychology	15	35	50	2
SEC-2	Theory Paper-II: Gr. B: Soil Health Management-II	15	35	50	2
DSC-1C & DSC-1D	Practical-II and III: Experimental Psychology	60	140	200	8
DSC-2C& DSC-2D	Practical-II and III: Psychological Assessment	60	140	200	8
DSC-3C& DSC-3D	Practical-II and III: Psychological Assessment	60	140	200	8

CA: Continuous Assessment SEE: Semester End Examination

**Note:-**

The above structure (Table-3 and Table-4) is for Sem-III and Sem-IV of the undergraduate B.Sc.-II programmes\* under science faculty.

\*B.Sc.-II Select any three DSC form the four core courses opted at B.Sc.- I.

DSC: Discipline Specific Core Course AECC: Ability Enhancement Compulsory Course

SEC: Skill Enhancement Course

Passing in each course is compulsory including Environment Studies course.

SGPA/CGPA and Total Marks will be calculated excluding AECC course.

Passing in each course is compulsory. SGPA/CGPA and Total Marks will be calculated excluding AECC course.

**B.Sc. II Psychology (CBCS Pattern)  
Discipline Specific Core Courses (DSC-C)**

**SEM III**

Academic Council 3(3.3)  
10<sup>th</sup> August, 2021

**DSC-C Theory-I PSYCHOLOGY-V (2131317)  
Title: Experimental Psychology**

**Marks: 50**

**Credit: 2**

**Lectures: 36 Hours**

**• Learning Objectives:**

1. To provide nature of experimental methods.
2. To acquaint psychophysics, perceptual process in experimental psychology.

**• Learning outcomes:-**

1. Students able to understand experimental method
2. Students learn psychophysical and perceptual processes in experimental psychology

**Unit 1. Understanding Experimental Psychology**

Nature of Experimental Psychology  
Goals of Experimental Psychology  
History of Experimental Psychology  
Scope and application of Experimental Psychology  
The Experimental Method

### **Unit2.PsychophysicalMethods**

What is Psychophysics?  
Basic Psychological Methods – Method of limit, Method of average error.  
Method of constant stimuli;  
Weber's law  
Fechner's law

### **Unit 3. Sensation and Perception**

Meaning and Nature of sensation  
Meaning and Nature of perception  
Perception of depth  
Visual illusions  
Factors affecting perception

### **Unit4.Attention**

Meaning and Nature of Attention  
Span of Attention  
Shifts and Fluctuations  
Determinants of Attention  
Distraction of Attention

### **Reading Book :**

1) Samina Bano –Experimental Psychology

### **References :**

- 1) Sondgrass -Experimental Psychology
- 2) Postman and Egan-Experimental Psychology

**B.Sc. II Psychology (CBCS Pattern)**  
**Discipline Specific Core Courses (DSC-C)**  
**SEM III**

**Academic Council 3(3.3)**  
**10<sup>th</sup> August, 2021**

**DSC-C Theory-II PSYCHOLOGY – VI (2131318)**  
**Title: Social Psychology**

**Credit:2**

**Marks: 50**

**Lectures: 36 Hours**

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**Learning Objectives:**

1. To introduce social psychology
2. To familiarize socialization processes

**Learning outcomes:-**

1. Students understand the nature of social psychology
2. Students know social elements in socialization process.

**Unit 1. Introduction to Social Psychology**

Nature and scope of social psychology

Modern social psychology

Importance of social psychology in modern India.

Social psychology and other sciences

Application of social psychology

Present trends in social psychology

**Unit2.SocialAttitude**

Nature of Attitude

Functions of Attitude

Attitude formation

Measurement of Attitude

Attitude and Behavior

Attitude Change

**Unit 3. Prejudice and Discrimination.**

Nature of prejudice.

Components of Prejudice.

Forms of Prejudice.

Acquisition of Prejudice.

Reduction of prejudice.

**Unit -4 Pro-social behaviors and social influence**

Personal determinants of pro-social behavior

Situational determinants of pro-social behavior

By stander interventions

Encouraging Pro-social behavior

Conformity - Factors influencing conformity, Innovation.  
Compliance -Techniques  
Obedience - Contribution of Mailgram. Destructive obedience

**Reading Book:**

1). Akbar Husain (2012) *Social Psychology* Person Education South Asia.

**Reference Books:**

1). Baron and Baran (2006) *Social Psychology - understanding human interaction* – prentice all India.

**B.Sc. II Psychology (CBCS Pattern)**  
**Discipline Specific Core Courses (DSC-D)**

**SEM IV**

Academic Council 3(3.3)  
10<sup>th</sup> August, 2021

**DSC-D Theory-I PSYCHOLOGY-VII (2131417)**

**Title: Cognitive Psychology**

**Marks: 50**

**Credit: 2**

**Lectures: 36 Hours**

**• Learning Objectives:**

1. To acquaint students fields history and methods studying cognition.
2. To acquaint students some domains of cognitive psychology

**Learning outcomes:-**

1. Students know definition , fields , history and methods of studying cognition
2. Student learn domains of cognitive psychology.

**Unit1.Cognitionn**

Definition of Cognition,

Fields of Cognition. (Mental Activity)

A brief history- The beginning, Psychology in the world, behaviorism, Cognitive Revolution.

Methods Studying Cognition - Behavioral Methods, Correlation Neural-Imagining Methods- EEG & ERP, MEG, PET MRI, fMRI, DOT, Modeling, Neural Network Modeling.

**Unit2.WorkingMemory**

Implication and Nature of Working Memory

Brief History- William James, Early Studies, Baddeley – Hitch Model

Understanding the Working Memory Models- Phonological Loop, Visuospatial Scratchpad, and Central Executive.

Monitoring Working Memory.

**Unit -3. Long Term Memory**

Nature of Long Term Memory- The Forms of LTM

Encoding Episodic Memory: Attention- Level of Processing & Elaborative Encoding.

Retrieval of Episodic Memory: cues of Retrieval, Recognition by Recollection and familiarity, Misremembering, Misattribution.

Forgetting- Definition, Ebbinghaus forgetting function, Forgetting and Interference- Retroactive & Proactive Interference.

Non-DeclarativeMemory (Implicit Memory) –Definition, Forms of Non Declarative Memory- Skill Memory Habit Memory & Conditional Memory

**Unit – 4. Problem Solving & Reasoning**

Definition of Problem solving & Reasoning.

Nature of Problem Solving, Structure of Problem, Problem Space Theory.

Inductive Reasoning – General Induction, Specific Induction

Deductive Reasoning-Categorical Syllogisms, Conditional Syllogisms, Theories of Deductive Reasoning.

**Reading Books –**

1. Edward E. Smith and Stephen M. Kosslyn – Cognitive Psychology mind and brain  
– PHI learning private limited New Delhi – 2009

**Reference Books**

1. Sternberge R. J. - *Applied cognitive Psychology* –  
Thomson Wordsworth
2. Galloti K.M. (2004) – *Cognitive Psychology in and out of laboratory USA*  
- Thomson, Wardsworth.

**B.Sc. II Psychology (CBCS Pattern)**  
**Discipline Specific Core Courses (DSC-D)**

**SEM IV**

**Academic Council 3(3.3)**  
**10<sup>th</sup> August, 2021**

**DSC-D Theory-II **PSYCHOLOGY-VIII (2131418)****

**Title: Positive Psychology**

**Credit:2**

**Marks: 50**

**Lectures: 36 Hours**

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**Learning Objectives:**

1. To familiarize students concept of wellbeing and new Field of psychology
2. To acquaint resilience and self regulation domains of positive psychology.

**Learning Outcomes.:-**

1. To learn concept of wellbeing and new Field of psychology .
2. To able resilience and self regulation domains of positive psychology.

**- 1. Positive Psychology and Wellbeing**

Positive psychology – Goals & Definitions

Areas of positive psychology- Health, Clinical, Developmental, social, personality, Psychology of religion.

Psychology of wellbeing.

Two tradition of Happiness – Hedonic, Eudemonic

Subjective well being – measures, life satisfaction, positive, negative affects.

Self-Realization – Psychological well being and positive Functioning, Need fulfillment and self-determination theory.

**Unit - 2. Positive Emotions and Resilience.**

What are positive emotions?

Theories of positive emotions

Positive emotions and Health Resources – Physical, Psychological, Social

Definition of Resilience-Sources of Resilience. In children, In adulthood and later life.

**Unit-3. Personal goals and self-esteem**



Defining personal goals

Measuring personal goals

Personal goals across the culture

Happiness and success in college

Self-esteem

#### **Unit – 4. Self- regulation and self-control**

Definition of self-regulation and self-control

Theories of self-regulation-control theory, self-Discrepancy theory

Planning for self-regulation success-why planning health, commitment and confidence.

Self-regulation problems – Approach v/s avoidance goals, Goal conflicts & Goal difficulty.

Explanation for self-control failure- Excuses, Irresistible impulse

#### **Reading book :**

1. Baumgardner S.R. and Crothers M. K. – *Positive Psychology person Education first impression 2009.*

#### **Reference Book**

1. Snyder C R and Lopez S. J. *Positive Psychology* New Delhi, Sage Publication India Pvt. Limited

B.Sc.–II-Psychology (CBCS Pattern)

Practical Course

**SEM IV**

Academic Council 3(3.3)

10<sup>th</sup> August, 2021

List of Experiments for **DSC-C & DSC-D**

**PSYCHOLOGY PRACTICAL-II AND III (2131427)**

**DSC-C - Experimental Psychology**

**Credit:4**

**Marks: 100**

**Lectures: 36 Hours**

**Learning objectives:-**

- 1.To understand different psychological principles behind psychological experiment
- 2.To develop application of psychological experiment in psychological laboratory

**Leaning outcome:-**

1. To apply understand different psychological principles behind psychological experiment
2. To expertise application of psychological experiment in psychological laboratory

**Group (A) Psychophysics (Any Two)**

- 1) Method of limit.
- 2) Method of constant stimuli
- 3) Method of average error
- 4) Coetaneous sensations

**Group (B) Sensation and perception (Any Two)**

- 1) Localization of sound (Auditory Localization)
- 2) Rental color zone
- 3) Perceptual Organization
- 4) Reaction Time
- 5) Depth perception
- 6) Figure and ground

**Group (C) Attention and problem solving, Emotion (Any Three)**

- 1) Division of Attention
- 2) Distraction of Attention
- 3) Fluctuation of Attention
- 4) Habit interference
- 5) Multiple Choice.
- 6) Problem solving (Tweezers or Finger)
- 7) Judging emotions from facial expression.

**Group (D) Learning and Memory (Any Three)**

- 1) Human Maze learning

- 2) Mirror Drawing
- 3) Conditioning
- 4) Recall and Recognition
- 5) Massed v/s Distributed learning
- 6) Retroactive Inhibition
- 7) Remote Association

**Statistics –**

- 1) Average Deviation
- 2) Standard Deviation

**Learning objectives:-**

1. To impart knowledge of psychological assessment
2. To develop assessments skills .

**Learning outcomes:-**

1. To able impart knowledge of psychological assessment
2. To apply assessment skills.

**Group (A) Attitude and Prejudice, self concept (Any two)**

- 1) Sodhi's Attitude Sale
- 2) Marriage Attitude Scale
- 3) Prejudice Scale
- 4) Self Concept

**Group (B) Social, Adjustment, Stress (Any two)**

- 1) Social Maturity
- 2) Social Intelligence
- 3) Adjustment inventory
- 4) Tension Scale
- 5) Vocational interest
- 6) Career preference

**Group (C) Memory, Cognition / Intelligence (Any Three)**

- 1) Performance Intelligence Scale
- 2) Free Association Test
- 3) Cognitive Style
- 4) Malin's performance intelligence
- 5) Short term Memory
- 6) Long term Memory
- 7) Ravain's progressive Matrix

**Group (D) Personality, Motivation and Emotions (Any Three)**

- 1) Eysenk's Personality Test
- 2) Emotional intelligence Test
- 3) Maudsly's Personality inventory.
- 4) 16 P.F. – Personality factor
- 5) Anxiety Scale
- 6) Level Aspiration\
- 7) Work Motivation
- 8) Locus of control

- Statistics** – 1) Rank difference correlation  
2) t test.

### **Books for Reading -**

- 1) Mann –*Experimental Psychology*
- 2) Postman and Egan –*Experimental Psychology*
- 3) Samina Bano –*Experimental Psychology*
- 4) Frank and Feeman – *Psychological Testing*
- 5) Anne Anastasi –*Psychological Testing*
- 6) Mangal – *Statistics in Psychology and Education.*
- 7) Garrett – *Statistics in Psychology and Education*

### **Reference Books-**

- 1) Woodworth and Scholsherge –*Experimental Psychology*
- 2) D. Amato –*Experimental Psychology*
- 3) Jalota – *Experimental Psychology Journal*
- 4) Cronbach – *Psychological Testing and assessment*
- 5) Fargusan – *Statistics in Psychology*
- 6) Snodgras –*Experimental Psychology*

### **Practical Examination**

#### **Notes –**

- 1) Any ten practical should be performed from each groups (A,B,C,D,) for each Semester (III&IV). Total 20 Practical's should be performed and write its report duly signed by In charge teacher and Head of the Department.
- 2) Annual practical Examination will be conducted at end of Academic year.
- 3) The Chairman of Board appointed one internal and one external examiner for practical examination.
- 4) There shall be consists any one experiment from Semester - III and any one tests from Semester - IV for annual practical examination.
- 5) The students will be assigned one statistical problems for each practical paper for annual practical examination.
- 6) Each practical paper will be of 50 marks & Total 100 Marks, out of 100 Marks, (CA) 30 Marks for Internal Assessment & (SE) 70 Marks for Assessment.
- 7) Each practical paper will be of 3 hours duration.
- 8) The distributions of Internal & University assessment marks of Practical Semester III and Semester IV will be as follows.

**Practical -II**  
**CA- 60Marks**  
**SE –140Marks**

**Sem. III**

**DSC-C Experimental Psychology**

**CA: 30 Marks**

**SE: 70 Marks**

- |                              |          |
|------------------------------|----------|
| 1) Journal–                  | 20 marks |
| 2) Statistical Problem–      | 10 marks |
| 3) Conduct and Instructions– | 15 marks |
| 4) Report Writing -          | 15marks  |
| 5) Oral or Viva vice–        | 10 marks |

**Sem. IV**

**DSC-D - Psychological Assessment**

**CA: 30 Marks**

**SE: 70 Marks**

- |                              |          |
|------------------------------|----------|
| 1) Journal–                  | 20 marks |
| 2) Statistical Problem–      | 10 marks |
| 3) Conduct and Instructions– | 15 marks |
| 4) Report Writing -          | 15 marks |
| 5) Oral or Viva vice–        | 10 marks |

**Chairman**  
**BOS in Psychology**

