



**Maharashtra Education Society**

**Abasaheb Garware College**

**(Autonomous)**

**(Affiliated to Savitribai Phule Pune University)**

**Syllabi under Autonomy**

**FYBSc (Psychology)**

**(Faculty of Science and Technology)**

**Choice Based Credit System Syllabus**

**To be implemented from Academic Year 2022-2023**

# FYBSc Psychology

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## F. Y. B. Sc. (Psychology)

### **Objectives:**

After the completion of this course students will be able to demonstrate the following competencies:

- a) Understand the basic psychological processes and their applications in day to day life.
- b) Develop the ability to evaluate cognitive processes, learning and memory of an individual.
- c) Understand the importance of motivation and emotion of the individual.
- d) Understand the personality and intelligence of the individuals by developing their psychological processes and abstract potentials.

## FYBSc Psychology

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### Eligibility:

Any student who has qualified 12<sup>th</sup> Science and has taken admission to F.Y.B. Sc. is eligible to get admission to the course.

### Structure of the course:

Year	Semester	Course Type	Course No.	Course Title	Remark	Credit	No. of Lectures/practical to be conducted
1	I	Theory	UAPS-111	Foundations of Psychology		02	30
		Theory	USPS-112	Experimental Psychology		02	30
		Practical	USPSP-113	Psychology Practical: Experiments		1.5	22
	II	Theory	UAPS-121	Introduction to Social Psychology		02	30
		Theory	USPS-122	Psychological Testing		02	30
		Practical	USPSP-123	Psychology Practical: Tests		1.5	22

## SEMESTER-I

### **USPS-111: Foundations of Psychology**

**(Credit-02)**

#### **Learning outcomes:**

After the completion of this course students will be able to demonstrate the following competencies:

- a) Understand the basic psychological processes and their applications in day to day life.
- b) Develop the ability to evaluate cognitive processes, learning and memory of an individual.
- c) Understand the importance of motivation and emotion of the individual.
- d) Understand the personality and intelligence of the individuals by developing their psychological processes and abstract potentials.

#### **Unit 1: Introduction:**

**(09 lectures)**

- 1.1 Psychology : a Science, goals of psychology, Scientific methods of psychology
- 1.2 The brief history & perspective of Psychology: (Structuralism, Functionalism, Gestalt, Psychoanalysis, Behaviorism)
- 1.3 Career Avenues in Psychology & Fields of Psychology: (Clinical, Industrial & Organizational, Educational, Social, Developmental, Health, Criminal & Forensic, Military, Sports, Neuropsychology, Environmental, Positive, Spiritual and Women & Child psychology.)
- 1.4 The Indian Psychology: Past and present

#### **Unit 2: Cognitive processes:**

**(09 lectures)**

- 2.1 Sensation, Attention and Perception, nature of perception, laws of perceptual organization, Theories of attention
- 2.2 Learning- Classical and Operant conditioning, observational learning
- 2.3 Memory-processes, information processing model(s), memory errors in everyday life.
- 2.4 Forgetting: Theories of forgetting

**Unit 3: Motivation and Emotion:** (09 lectures)

3.1 Motivation: Definition, Concept of Homeostasis & Maslow's Hierarchy of Motivation

3.2 Types of Motivation: Physiological, Psychological & Social

3.3 Motivational Conflicts: Intra-Conflicts & Inter-Conflicts

3.4 Emotion: Definitions, Nature & Importance, Basic Emotions (Joy, Excitement, Tenderness, Sadness, Anger, Fear & Love), Emotional intelligence

**Unit 4: Personality and Intelligence:** (09 lectures)

4.1 Personality – History, Definitions, Nature

4.2 Personality as a set of traits: Cattell's, Allport's & Big Five Theory of Personality

4.3 Freud's Psychoanalytical Theory of Personality and Transactional Analysis

4.4 Intelligence: Definitions, Theories of Intelligence (Gardner's Theory, Cattell's Theory of Intelligence)

**References:**

1. Ciccarelli, S. K.; White J. N. Adapted by Girishwar Misra (2018). Psychology (5<sup>th</sup> Edition). Pearson.
2. Chadha, N.K. & Seth, S. (2014). The Psychological Realm: An Introduction. Pinnacle Learning, New Delhi.
3. Carole, W. and Carol, T. (2007). Psychology (7th Edition). Pearson Education, India.
4. Feldman S. R.(2009). Essentials of understanding psychology ( 7th Ed.) New Delhi : Tata Mc Graw Hill.
5. Morgan, King, Weisz, Schopler (2001). Introduction to psychology, Tata McGraw Hill.
6. Passer, M. W. & Smith, R. E. (2007). Psychology: The science of mind and behaviour. New Delhi: Tata McGraw-Hill.

## SEMESTER-II

### USPS-121: Introduction to Social Psychology

(Credit-02)

#### Learning outcomes:

After the completion of this course students will be able to demonstrate the following competencies:

- a) Understand the basics of social psychology.
- b) Understand the nature of self, concept of attitude and prejudice of the individual.
- c) Assess the interactional processes, love and aggression in our day today life. .
- c) Understand group dynamics and individual in the social world.

#### Unit 1: Introduction:

(Total 09 Lectures)

- 1.1 Definition, Brief history of social psychology (special emphasis on India),
- 1.2 Scope of social psychology
- 1.3 Levels of social behavior
- 1.4 Approaches towards understanding social behaviour, social psychology in day-to-day life

#### Unit- 2.Individual Level Processes

(Total 09 Lectures)

- 2.1 Difference between Social Cognition & Social Perception.
- 2.2 Self –Concept: Nature, Self-regulation and self-presentation.
- 2.3 Attitude: Definition, components, Dimensions and formation of attitude
- 2.4 Prejudice: Causes and its implications

#### Unit 3: Interpersonal processes:

(Total 09 Lectures)

- 3.1 Interpersonal attraction, love, theories of love
- 3.2 Pro-social behaviour
- 3.3 Locus of control, increasing our helping nature.

3.4 Aggression: Meaning, Nature and causes of Aggression

### **Unit- 4.Group Dynamics**

**(Total 09 Lectures)**

4.1 Groups: When we join and when we leave, The benefits of joining

4.2 Cooperation and Conflict

4.3 Conformity; Factors affecting Conformity, Obedience & Authority

4.4 Group decision making, practical approach of decision making

### **Books for Reference**

1. Baron, R. A., Branscombe, N. R., & Byrne, D. Bhardwaj, Gopa. (2008). Social Psychology. (12th ed.). New Delhi: Pearson Education, Indian subcontinent adaptation 2009
2. Aronson, E., Wilson, T. D., & Akert, R. M. (2007). Social Psychology. (6th edi.), New Jersey: Pearson Education prentice Hall
3. Baumeister, R. F., & Bushman, B. J. (2008). Social Psychology and Human Nature. International student edition, Thomson Wadsworth USA
4. Myers, D. G. (2006). Social Psychology. (8th edi.), Tata McCraw- Hill Publication.

## SEMESTER-I

### USPS-112: Experimental Psychology

(Credit-02)

#### Learning outcomes:

After the completion of this course students will be able to demonstrate the following competencies:

1. Understand basic concepts of Experimental Psychology.
2. Understand the different methods of psychophysics, learning, reaction time.
3. Understand psychological tests, intelligence, aptitude and personality.

#### UNIT- 1: UNDERSTANDING EXPERIMENTAL PSYCHOLOGY.

(Total periods = 09).

- 1.1: The nature and scope of experimental psychology.
- 1.2: History of experimental psychology.
- 1.3: Characteristics of experimental psychology.
- 1.4: Application of experimental psychology, Practical uses of experimental psychology

#### UNIT-2: THE EXPERIMENTAL METHOD.

(Total periods = 09).

- 2.1: Importance of problem in experimentation
- 2.2: Concept of variables and types of variables.
- 2.3: Hypothesis in experimentation.
- 2.4: Experiments, its types and experimental controls.

#### UNIT-3: RESEARCH DESIGN.

(Total periods = 09).

- 3.1: Importance of research design, functions of research design
- 3.2: Types of research design
- 3.3: Factorial design.



3.4: Quasi-experimental designs.

### **UNIT-4: PSYCHOPHYSICAL METHODS.**

**(Total periods = 09).**

4.1- Basic concepts of psychophysics, history of psychophysics

4.2 -Basic problems in psychophysics.

4.3 -Methods of psychophysics.

4.4 –Weber’s and Fechner’s law.

#### References:

Bano, Samina.(Consultant Editor) (2012).Experimental Psychology.(1st edn).Dorling Kidersley , (India) Pvt. Ltd.

D Amato (2004). Experimental Psychology:Methodology, Psychophysics and Learning

Rajamanicam, M. (2005). Experimental Psychology: with Advanced Experiments. Vol 1 & 2. Concept Publishing Company, New Delhi.

Myers, A. and Hansen. (2002).Experimental Psychology. Wadsworth.

Postman, L. and Eagan, J. P.(1949). Experimental Psychology- An Introduction. Kalyani Publication.

Tiwari Govind and Pal Roma (1985). Experimental Psychology: A Dynamic Approach. Vinod Pustak Mandir, Agra

## SEMESTER-II

### USPS-122: Psychological Testing

(Credit-02)

#### Learning outcomes:

After the completion of this course students will be able to demonstrate the following competencies:

- a) Understand the basics of psychological testing.
- b) Understand and assessing the human abilities.
- c) Understand and evaluate behaviour analysis.

#### UNIT-1: CONSTRUCTION OF PSYCHOLOGICAL TEST

- 1.1- Psychological Test: Meaning
- 1.2- Characteristics of a Good test
- 1.3- Applications of Psychological Tests.
- 1.4- Ethical issues in psychological testing.

#### UNIT-2: ITEM ANALYSIS

- 2.1- Item analysis: History, Meaning and purpose
- 2.2- Item Difficulty
- 2.3- Item discrimination
- 2.4- Power and Speed tests

#### UNIT-3: RELIABILITY

- 3.1- Classical test theory
- 3.2- Meaning and definition of reliability
- 3.3 Types of reliability, methods of calculating reliability
- 3.4- Reliability improvement techniques

## **UNIT-4: VALIDITY**

4.1- Meaning and definition of validity

4.2- Types of validity

4.3- Validity: Influencing factors

4.4- Relationship between reliability and validity, practical approach to validity

### **Books for Reading and references**

Anastasi, A. and Urbina, S. (2005). Psychological Testing ( 7th edn). Upper Saddle River, NJ: Prentice -Hall, New Delhi.

Dandekar, W. N. and Rajguru .(2001). An Introduction to Psychological Testing and Statistics. Seth Publications Pvt. Ltd. .

Dandekar, W. N. (1994). Fundamentals of Experimental Psychology. Anmol Prakashan, Pune.

Husain, Akbar. (Consultant Editor)(2012). Psychological Testing. (1st edn). Dorling Kidersley, (India) Pvt. Ltd.

Kaplan, R. M.and Saccuzzo, D.P. (2007). Psychological Testing: Principles, Applications and Issues. Australia: Thomson, Wadsworth.

Singh A.K. (2006). Tests, Measurements, and Research Methods in Behavioural Sciences. Bharati Bhavan

## SEMESTER-I

### USPSP-113: Psychology Practical: Experiments

(Credit-1.5)

#### Learning outcomes:

1. To acquaint the students the basic concepts of Experiments in Psychology.
2. To acquaint the students how to conduct the experiments and to understand its practical applications and To introduce the students about basic knowledge of elementary statistics.
3. Understand human behavioural and mental processes through experiments.

#### LIST OF EXPERIMENTS: (Any Six Experiments).

1. Method of Limit.
2. Method of Constant Stimuli.
3. Method of Average Error.
4. Measurement of Illusion.
5. Measurement of Reaction Time (RT).
6. Maze Learning.
7. Concept formation.
8. Recall and Recognition.
9. Problem Solving- Wiggly box / Honai Tower (Any one).
10. Manual Dexterity or Finger Dexterity.
11. Short Term Memory (STM).
12. Knowledge of Result (KOR).
13. Stroop effect

Methods of assessment for Internal exams: Seminars, Viva-voce, Projects, Surveys, Field visits, Tutorials, Assignment, Group Discussion, etc (on approval of the head of the centre)

\* Practical Examination will be conducted by respective colleges at the end of the semester.

### **Books for Reading and References:**

Bano, Samina.(Consultant Editor) (2012).Experimental Psychology.(1st edn).Dorling Kidersley , (India) Pvt. Ltd.

D Amato .(2004). Experimental Psychology:Methodology, Psychophysics and Learning

Rajamanicam, M. (2005). Experimental Psychology: with Advanced Experiments. Vol 1 & 2. Concept Publishing Company, New Delhi. Myers, A. and Hansen. (2002).Experimental Psychology. Wadsworth.

Postman, L. and Eagan, J. P.(1949). Experimental Psychology- An Introduction. Kalyani Publication.

Tiwari Govind and Pal Roma (1985). Experimental Psychology: A Dynamic Approach. Vinod Pustak Mandir, Agra

Mohanti Girishbala (1996). Experiments n Psychology. Kalyani Publishers

## SEMESTER-II

### USPSP-123: Psychology Practical: Tests

(Credit-1.5)

#### Learning Outcomes

1. To acquaint the students the basic concepts of Tests in Psychology.
2. To acquaint the students how to administer the tests and to understand its practical applications.
3. To introduce the students about basic knowledge of elementary statistics.
4. Understand and evaluate human abilities through psychological testing.

#### LIST OF PSYCHOLOGICAL TESTS :( Any Six Tests).

1. Standard Progressive Matrices (SPM) (Indian Norms)
2. Stanford-Binet Scale.
3. Wechsler Adult Intelligence Scale. (Indian Norms)
4. General Mental Ability Test (GMAT).
5. Interest Inventory.
6. Neo-FFI
7. Sixteen Personality Factor (16PF).
8. Emotional Intelligence Test.
9. Differential Aptitude Test (DAT). (Indian Norms)
10. Adjustment Inventory.
11. Value Test.

Methods of assessment for Internal exams: Seminars, Viva-voce, Projects, Surveys, Field visits, Tutorials, Assignment, Group Discussion, etc (on approval of the head of the centre)

\* Practical Examination will be conducted by respective colleges at the end of the semester.

#### Books for Reading and references

Anastasi, A. and Urbina, S. (2005). Psychological Testing ( 7th edn). Upper Saddle River, NJ: Prentice -Hall, New Delhi.

Dandekar, W. N. and Rajguru .(2001). An Introduction to Psychological Testing and Statistics. Seth Publications Pvt. Ltd. .

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Husain, Akbar. (Consultant Editor)(2012). Psychological Testing. (1st edn). Dorling Kindersley, (India) Pvt. Ltd.

Kaplan, R. M. and Saccuzzo, D.P. (2007). Psychological Testing: Principles, Applications and Issues. Australia: Thomson, Wadsworth.

Singh A.K. (2006). Tests, Measurements, and Research Methods in Behavioural Sciences. Bharati Bhavan