

॥ अंतरी पेटवू ज्ञानज्योत ॥



**North Maharashtra University,  
Jalgaon**

**Syllabus For F.Y.B.Sc.**

**PSYCHOLOGY**

**( W.e.f. June, 2003 )**

**North Maharashtra University, Jalgaon**  
**Revised Syllabus for F.Y.B.Sc.**  
**Subject : Basic Psychological Processes (Paper - I)**  
**(With Effect from June 2003)**

**OBJECTIVES :**

The course will familiarize students with the basic psychological processes and the studies relating to the factors which influence them. It will also focus on some important application areas of psychology.

**1. Nature and Scope of Psychology :**

- 1.1 Definition and Goals of psychology.
- 1.2 Branches of psychology; child psychology, Educational psychology, Social psychology, Industrial psychology, Clinical psychology, Counseling psychology, Criminal psychology, Environmental psychology.
- 1.3 Approaches : Biological, Psycho dynamic, behaviourist, cognitive, humanistic and evolutionary.
- 1.4 Methods : Experiment, Observation, Interview, Questionnaire and case study.

**2. Biological Bases of behaviour.**

- 2.1 Genes and behaviour;
- 2.2 Hormones and glands.
- 2.3 Central Nervous system
  - a) Spinal Cord.
  - b) Brain Structure and function.

**3. States of Mind.**

- 3.1 Nature of consciousness.
- 3.2 Changes in consciousness.
- 3.3 Sleeping and dreaming.
- 3.4 Hypnosis, meditation, and hallucinations.

**4. Sensory - Perceptual Processes**

- 4.1 Vision - Structure and function of Human eye.
- 4.2 Audition - Structure and function of Human ear.
- 4.3 Chemical senses.
- 4.4 Attention : Nature ; types and determinant of attention.
- 4.5 Perception Organizing factors in perception.

**5. Learning :**

- 5.1 Classical conditioning : and operant conditioning; basic processes : Extinction, Spontaneous recovery, Generalization and Discrimination.
- 5.2 Verbal learning.
- 5.3 Cognition in learning.

**6. Memories and Forgetting :**

- 6.1 Encoding, storage and retrieval process.
- 6.2 Short-term and long-term memories.
- 6.3 Forgetting : Decay, interference, retrieval failure, motivated forgetting and amnesia; State-dependent forgetting.

**7. Motivations and Emotions :**

- 7.1 Motivation – Biogenic and Sociogenic motives.
- 7.2 Conflict and frustration.
- 7.3 The Need hierarchy model.
- 7.4 Emotions : expression and control.
- 7.5 Theories of emotion.

**8. Intelligence :**

- 8.1 Psychometric theories and cognitive science approach.
- 8.2 Genetic and environmental influences.
- 8.3 Intelligence tests.
- 8.4 Interpretation of tests scores.
- 8.5 Cross – cultural issues in testing.

**9. Personality :**

- 9.1 Trait and type approaches.
- 9.2 Biological and social cultural determinants.
- 9.3 Techniques of assessment : Psychometric and projective.

**10. Thinking and Reasoning :**

- 10.1 Thinking process.
- 10.2 Concepts, categories and prototypes.
- 10.3 Schemes and scripts.
- 10.4 Imagery and cognitive maps.
- 10.5 Inductive and deductive reasoning.
- 10.6 Problem solving approaches.

**Readings :**

- 1. Baron R.A. (1995) Psychology : The essential science, New York : Allyn and Bacon.
- 2. Zimbardo P.G. & Weber A.L. (1997) Psychology, New York, Harper Collins College, Publisher.
- 3. Lefton L.A. (1985), Psychology Boston : Allyn and Baron.
- 4. Morgan, King, Robinson : Introduction to Psychology (Sixth Edition)
- 5. Ernest R. Hilgard, Richard C. Atkinson. Rita L. Atkinson Introduction to Psychology (Sixth edition).

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**North Maharashtra University, Jalgaon**  
**Revised Syllabus for F.Y.B.Sc. Psychology**  
**Subject : Psychopathology ( Paper - II )**

**With Effect from June 2003**

**OBJECTIVES :**

1. To impart knowledge about the normality and abnormality.
  2. To make students understand the nature and course of various abnormal conditions.
  3. To impart knowledge and skills needed for psychological assessment of different abnormal conditions.
1. **Introduction to psychopathology :**
    - 1.1 The concept of normality and abnormality.
  2. **Signs and symptoms of mental illness :**
    - 2.1 Delusions; Hallucinations, Obsessions, Compulsions etc.
  3. **Psychological Model of psychopathology :**
    - 3.1 Psycho dynamic behavioural, cognitive behavioural and existential.
  4. **Psychological assessment of psychopathology :**
    - 4.1 Diagnostic tests, Rating scales, History taking interview.
    - 4.2 Orientation to projective tests.
  5. **Anxiety Disorders :**
    - 5.1 Panic disorder and Agoraphobia, Specific phobias, Social Phobia.
    - 5.2 Obsessive compulsive disorder, generalized anxiety disorder.
  6. **Somatic Disorder :**
    - 6.1 Dissociative disorders.
  7. **Mood Disorders :**
    - 7.1 Manic episode, Depressive episode, Bipolar affective disorder, Dysthymia.
  8. **Schizophrenia :**
    - 8.1 Delusional disorder.
    - 8.2 Brief Psychotic disorder.
  9. **Disorders due to Psychoactive substance use :**
    - 9.1 Alcohol and drug dependence.
  10. **Personality disorders :**
    - 10.1 Paranoid schizoid, Dissociative, Impulsive, Borderline, Anxious avoidance, Dependent personality.
  11. **Stress disorders :**
    - 11.1 Stress due to normal calamities like earthquake storm etc. and life events.

**Readings :**

1. Lamm A. (1997) Introduction to Psychopathology. N.Y. Sage.
2. Buss A.H. (1999) Psychopathology N.Y. John Wiley.
3. James D. Page Abnormal Psychology. Tata McGraw-Hill Publication Company Ltd., New Delhi.
4. James C. Colmen Abnormal Psychology. Third edition.

**North Maharashtra University, Jalgaon**  
**Revised Syllabus for F.Y.B.Sc.**  
**Paper -III - Practical Subject : Psychology Practicals**

With Effect from June 2003

A.

1. Measurement of Illusion.
2. Rational Color Zones.
3. Color Blindness Test.
4. Span of Attention.
5. Conditioning hand withdrawal.
6. Maze learning.
7. Bilateral Transfer Mirror Tracing.
8. Serial Position learning.
9. Personality Test.
10. Adjustment inventory.
11. Interest inventory.
12. Manual dexterity test.
13. Pass a long test.
14. Emotional maturity test.
15. Study Habits.
16. Emotional Deprivation.
17. Self-Concept.
18. Habit interference.
19. Color preference.
20. Concept formation.

B. **Statistics :**

1. Measurement of central tendency – mean, Median, Mode S.D.
2. Co-efficient of correlation by rank difference method.
3. Quartile e.g. Q, Q1, Q3, simple examples may be set.

**Books for Experiments :**

- Laboratory manual in experimental Psychology – Munn.
- Experiments in Psychology – Parmaswami.
- Elementary experiments in Psychology – Kuppaswamy.
- Experiments in Psychology – Jalota.
- Experiments in Psychology – Mohasin.
- Experiments in Psychology – Postman Egan.

**For Statistics :**

1. Statistics in Education and Psychology - Garret.
2. Measurement and evaluation in Psychology and education – Astana Agrawal.  
(Vinod Pustak Mandir, Agra – 2)

**Note :** Practical examination will be held annually. A batch of maximum (12) students will constitute one batch and each batch will conduct the practical twice in a week. Duration of the practical will be three clock hours in which candidate will perform, conduct an experiment and write its report allotted to him/her with statistical problem and viva.

**The division of marks of practical examination is as follows : -**

Journal	:	20
Statistics	:	20
Instruction and conduct	:	20
Report writing	:	20
Viva	:	20
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Total Marks	:	100

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