

**UNIVERSITY OF MUMBAI**

No. UG/38 of 2015

**CIRCULAR:-**

A reference is invited to the Syllabi relating to the T.Y. B.A. degree course **vide** this office Circular No. UG/174 of 2010 dated 13<sup>th</sup> July, 2010 and the Principals of affiliated Colleges in Arts and the Professor-cum-Director, Institute of Distance and Open Learning (IDOL) are hereby informed that the recommendation made by the Faculty of Arts at its meeting held on 5<sup>th</sup> March, 2015 has been accepted by the Academic Council at its meeting held on 29<sup>th</sup> May, 2015 **vide** item No. 4.23 and that in accordance therewith, the syllabus as per Credit Based Semester and Grading System for Sem. V & VI of T.Y.B.A. program in course of Psychology is revised, which is available on the University's web site ([www.mu.ac.in](http://www.mu.ac.in)) and that the same has been brought into force with effect from the academic year 2015-16.

REGISTRAR

MUMBAI - 400 032

REGISTRAR

30<sup>th</sup> July, 2015

To,

Principals of affiliated Colleges in Commerce and the Professor-cum-Director, Institute of Distance and Open Learning (IDOL).

A.C/4.23 /29/05/2015

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No. UG/38 -A of 2015-16      MUMBAI-400 032      30<sup>th</sup> July, 2015

Copy forwarded with compliments for information to:-

- 1) The Dean, Faculty of Arts,
- 2) The Chairperson, Board of Studies in Psychology.
- 3) The Controller of Examinations,
- 4) The Co-Ordinator, University Computerization Centre.

*[Handwritten Signature]*  
REGISTRAR

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Credit Based Semester and Grading System  
T.Y.B.A. Psychology Syllabi to be implemented from 2015-2016  
**Psychological Testing and Statistics: Parts I and II (Paper IV in old scheme)**

Code	Sem.	Course Title	Credits	Marks
UAPS501	5	Psychological Testing and Statistics: Part I	4	100 (75 + 25)
UAPS601	6	Psychological Testing and Statistics: Part II	4	100 (75 + 25)

Objectives -

- 1) To impart knowledge and understanding of the nature, uses, technical features, and the process of construction of psychological tests
- 2) To create awareness about measurement of intelligence and assessment of personality
- 3) To impart knowledge and understanding of the concepts in Statistics and the various measures of Descriptive Statistics - their characteristics, uses, applications and methods of calculation
- 4) To create a foundation for advanced learning of Psychological Testing, Assessment, and Statistics

Semester 5. Psychological Testing and Statistics: Part I (Credits = 4) 4 lectures per week

Unit 1. Psychological Testing and Assessment

- a) Definition of testing and assessment; the process and tools of assessment
- b) The parties and types of settings involved
- c) How assessments are conducted; assessment of people with disabilities; Reference sources for authoritative information about tests

Unit 2. Tests, Testing and Norms

- a) Various assumptions about Psychological Testing and Assessment
- b) What is a 'Good Test'; Norms – sampling to develop norms, types of norms, fixed reference group scoring systems, norm-referenced versus criterion-referenced evaluation; culture and inference
- c) Concerns of the profession - Test user qualifications, testing people with disabilities, CAPA; the four rights of test-takers

Unit 3. Reliability

- a) The concept of Reliability; sources of error variance
- b) Reliability estimates: Test-Retest, Parallel and Alternate Forms, Split-Half, Inter-Item Consistency – Kuder-Richardson, Cronbach's Coefficient Alpha; Inter-Scorer Reliability
- c) Using and interpreting a coefficient of Reliability – purpose of the Reliability coefficient, nature of the test, the true score model of measurement and alternatives to it
- d) Reliability and individual scores: SEM and SE-Difference

Unit 4. Validity

- a) The concept of validity; Face and Content validity
- b) Criterion-related validity and Construct validity
- c) Validity, bias, and fairness

Unit 5. Types of scores, Types of scales, Frequency Distribution and Graphic representations

- a) Continuous and discrete scores – meaning and difference; Nominal, ordinal, interval and ratio scales of measurement
- b) Preparing a Frequency Distribution; advantages and disadvantages of preparing a frequency distribution; smoothed frequencies: method of running averages
- c) Graphic representations: Frequency polygon, histogram, cumulative frequency curve, ogive, polygon of smoothed frequencies (*Unit 5-c is only for theoretical understanding and questions; graphs are not to be drawn in the exam.*)

Unit 6. Measures of central tendency

- a) Calculation of mean, median and mode of a frequency distribution; The assumed mean method for calculating the mean
- b) Comparison of measures of central tendency: Merits, limitations, and uses of mean, median and mode

Semester 6. Psychological Testing and Statistics: Part II (Credits = 4) 4 lectures per week

### Unit 1. Test Development

- a) Test conceptualization and Test construction
- b) Test tryout and Item analysis
- c) Test revision

### Unit 2. Measurement of Intelligence and Intelligence Scales

- a) What is Intelligence? - Definitions and theories; measuring Intelligence
- b) The Stanford-Binet Intelligence Scales and the Wechsler Tests: WAIS, WISC, WPPSI
- c) Close-up: Factor analysis

### Unit 3. Assessment of Personality

- a) Personality Assessment – some basic questions: who, what, where, how; Developing instruments to assess personality – logic and reason, theory, data reduction methods, criterion groups; personality assessment and culture
- b) Objective methods of personality assessment
- c) Projective methods of personality assessment - Inkblots as Projective stimuli - the Rorschach; Pictures as Projective stimuli – Thematic Apperception Test; Projective methods in perspective

### Unit 4. Probability, Normal Probability Curve and Standard scores

- a) The concept of Probability; laws of Probability; Characteristics, importance and applications of the Normal Probability Curve; Area under the Normal Curve
- b) Skewness- positive and negative, causes of skewness, formula for calculation; Kurtosis - meaning and formula for calculation
- c) Standard scores – z, T, Stanine; Linear and non-linear transformation; Normalised Standard scores

### Unit 5. Measures of Variability, Percentiles, and Percentile Ranks

- a) Calculation of 4 measures of variability: Range, Average Deviation, Quartile Deviation and Standard Deviation
- b) Comparison of 4 measures of variability: Merits, limitations, and uses
- c) Percentiles – nature, merits, limitations, and uses; Calculation of Percentiles and Percentile Ranks

### Unit 6. Correlation

- a) Meaning and types of correlation – positive, negative and zero; Graphic representations of correlation - Scatterplots
- b) The steps involved in calculation of Pearson's product-moment correlation coefficient
- c) Calculation of rho by Spearman's rank-difference method; Uses and limitations of correlation coefficient
- d) Simple Regression and Multiple Regression

(Unit 6-b is only for theoretical understanding and questions, not for calculation in the exam.)

### Book for study

**Cohen, J. R., Swerdlik, M. E., & Sturman, E. D. (2013). *Psychological Testing and Assessment: An introduction to Tests and Measurement*. (8<sup>th</sup> ed.). New York. McGraw-Hill International edition. (Indian reprint 2015)**

### Books for reference

- 1) Aiken, L. R., & Groth-Marnat, G. (2006). *Psychological Testing and Assessment*. (12<sup>th</sup> ed.). Pearson. Indian reprint 2009, by Dorling Kindersley, New Delhi
- 2) Anastasi, A. & Urbina, S. (1997). *Psychological Testing*. (7<sup>th</sup> ed.). Pearson Education, Indian reprint 2002
- 3) Aaron, A., Aaron, E. N., & Coups, E. J. (2006). *Statistics for Psychology*. (4<sup>th</sup> ed.). Pearson Education, Indian reprint 2007
- 4) Cohen, J. R., Swerdlik, M. E., & Kumthekar, M. M. (2014). *Psychological Testing and Assessment: An introduction to Tests and Measurement*. (7<sup>th</sup> ed.). New Delhi: McGraw-Hill Education (India) Pvt Ltd., Indian adaptation
- 5) Gregory, R. J. (2013). *Psychological Testing: History, Principles, and Applications*. (6<sup>th</sup> ed.). Pearson Indian reprint 2014, by Dorling Kindersley India pvt ltd, New Delhi
- 6) Hoffman, E. (2002). *Psychological Testing at Work*. New Delhi: Tata McGraw-Hill
- 7) Hogan, T. P. (2015). *Psychological Testing: A Practical introduction*. (3<sup>rd</sup> ed.). John Wiley & Sons, New Jersey
- 8) Hollis-Sawyer, L.A., Thornton, G. C. III, Hurd, B., & Condon, M.E. (2009). *Exercises in Psychological Testing*. (2<sup>nd</sup> ed.). Boston: Pearson Education

- 9) Kaplan, R. M., & Saccuzzo, D. P. (2005). *Psychological Testing – Principles, Applications and Issues*. (6<sup>th</sup> ed.). Wadsworth Thomson Learning, Indian reprint 2007
- 10) Kline, T.J.B. (2005). *Psychological Testing: A Practical approach to design and evaluation*. New Delhi: Vistaar (Sage) publications
- 11) Mangal, S.K. (1987). *Statistics in Psychology and Education*. New Delhi: Tata McGraw Hill Publishing Company Ltd.
- 12) McBurney, D.H. (2001). *Research Methods*. (5<sup>th</sup> ed.). Bangalore: Thomson Learning India
- 13) Miller, L.A., Lovler, R. L., & McIntire, S.A., (2013). *Foundations of Psychological Testing: A practical approach*. (4<sup>th</sup> ed.). Sage publications
- 14) Minium, E. W., King, B. M., & Bear, G. (2001). Statistical Reasoning in Psychology and Education. Singapore: John-Wiley
- 15) Urbina, S. (2014). *Essentials of Psychological Testing*. (2<sup>nd</sup> ed.). John Wiley & Sons, New Jersey

Credit Based Semester and Grading System  
T.Y.B.A. Psychology Syllabi to be implemented from 2015-2016  
**Abnormal Psychology: Part I and Part II (Paper V in old scheme)**

Code	Sem.	Course Title	Credits	Marks
UAPS	5	Abnormal Psychology: Part I	4	100 (75 + 25)
UAPS	6	Abnormal Psychology: Part II	4	100 (75 + 25)

**Objectives**

- 1) To impart knowledge and understanding of the basic concepts in Abnormal Psychology and the theories about Abnormality
- 2) To impart knowledge and understanding of the different Psychological Disorders – their symptoms, diagnosis, causes and treatment
- 3) To create awareness about Mental Health problems in society
- 4) To create a foundation for higher education and a professional career in Clinical Psychology

Semester 5. Abnormal Psychology: Part I (Credits = 4) 4 lectures per week

Unit 1: Understanding Abnormal behavior, Diagnosis, Treatment and Assessment

- a) What is Abnormal Behaviour? The social impact of psychological disorders; defining abnormality; biological, psychological, sociocultural causes of abnormal behaviour, the biopsychosocial perspective; prominent themes in abnormal psychology throughout history – spiritual, humanitarian and scientific approaches; what's new in the DSM-5 – definition of a mental disorder
- b) Psychological disorder : experiences of client and clinician; the diagnostic process, DSM-5, additional information, culture-bound syndromes
- c) Characteristics of psychological assessment; clinical interview and Mental Status Examination; behavioural, multicultural, neuropsychological assessment; neuroimaging

Unit 2: Theoretical Perspectives

- a) Theoretical perspectives in Abnormal Psychology; Biological perspective, Trait theory, Psychodynamic, Behavioral perspectives
- b) Cognitive, Humanistic, Sociocultural perspectives; Biopsychosocial perspectives on theories and treatments: an integrative approach

Unit 3: Anxiety, Obsessive-compulsive, and Trauma- and Stressor-related Disorders

- a) Anxiety disorders
- b) Obsessive-compulsive and related disorders
- c) Trauma- and Stressor-related Disorders; the biopsychosocial perspective

Unit 4: Dissociative and Somatic Symptom Disorders

- a) Dissociative disorders – major forms, theories and treatment
- b) Somatic symptom and related disorders - somatic symptom disorder, illness anxiety and conversion disorders, conditions related to Somatic Symptom Disorders, theories and treatment
- c) Psychological factors affecting medical condition; Dissociative and Somatic Symptom Disorders: the biopsychosocial perspective

Semester 6. Abnormal Psychology: Part II (Credits = 4) 4 lectures per week

### Unit 1: Schizophrenia Spectrum and other Psychotic Disorders

- a) Schizophrenia, brief psychotic disorder, Schizophreniform Schizoaffective, delusional disorders
- b) Theories and treatment of schizophrenia; Biological, Psychological, Sociocultural perspectives; Schizophrenia: the biopsychosocial perspective

### Unit 2: Depressive and Bipolar Disorders;

- a) Depressive disorders; disorders involving alterations in mood
- b) Theories and treatment of depressive and bipolar disorders; psychological and sociocultural perspectives
- c) Suicide; depressive and bipolar disorders: the biopsychosocial perspective

### Unit 3: Paraphilic Disorders, Sexual Dysfunctions, and Gender Dysphoria

- a) What patterns of sexual behavior represent psychological disorders? Paraphilic Disorders; Theories and treatment
- b) Sexual Dysfunctions; Theories and treatment
- c) Gender Dysphoria; Theories and treatment; The biopsychosocial perspective

### Unit 4. Personality Disorders

- a) The nature of personality disorders
- b) Cluster A and Cluster B personality disorders
- c) Cluster C personality disorders; the biopsychosocial perspective

Note – As an Orientation to this course, the following sub-topics should be taught in brief: (questions will not be set on these sub-topics in the class test or semester-end examination) -

- i. Research methods in Abnormal Psychology
- ii. Steps in the diagnostic process
- iii. Planning the treatment; Course and outcome of treatment

### Book for study

**Whitbourne, S. K., & Halgin, R. P. (2014). *Abnormal Psychology: Clinical Perspectives on Psychological Disorders*. (7<sup>th</sup> ed.). McGraw-Hill (Indian reprint 2015)**

### Books for Reference

1. Barlow, D.H., & Durand, V.M. (2005). *Abnormal Psychology: An Integrative Approach*. (4<sup>th</sup> ed.). New Delhi: Wadsworth Cengage Learning
2. Beidel, D. C., Bulik, C. M., & Stanley, M.A. (2010). *Abnormal Psychology*. New Jersey: Pearson Prentice Hall
3. Bennet, P. (2003). *Abnormal and Clinical Psychology: An Introductory Textbook*. Open University Press
4. Butcher, J. N., Hooley, J. M., & Mineka, S., (2014). *Abnormal Psychology*. (16<sup>th</sup> ed.). Pearson education
5. Dhanda, Amita. (2000). *Legal Order and Mental Disorder*. New Delhi, Sage publications pvt ltd
6. Hecker, J.E., & Thorpe, G.L. (2005). *Introduction to clinical Psychology: Science, practice, and ethics*. New Delhi, Pearson education, Indian reprint 2007
7. Kring, A.M., Johnson, S. L., Davison, G.C., & Neale, J.M. (2013). *Abnormal Psychology*. (12<sup>th</sup> ed.). International student version, John Wiley & Sons, Singapore
8. Nolen-Hoeksema, S. (2014). *Abnormal Psychology*. (6<sup>th</sup> ed.). New York: McGraw-Hill.
9. Oltmanns, T. F., & Emery, R. E. (2010). *Abnormal Psychology*. 6<sup>th</sup> ed., New Jersey: Pearson Prentice Hall
10. Ray, W.J. (2013). *Abnormal Psychology: neuroscience perspectives on human behaviour and experience*. Sage Publications, USA

T.Y.B.A. Psychology Syllabi to be implemented from 2015-2016  
Industrial-Organizational Psychology: Parts I and Part II Paper VI in old scheme)

Code	Sem.	Course Title	Credits	Marks
UAPS503	5	Industrial-Organizational Psychology: Part I	3.5	100 ( 75+25)
UAPS603	6	Industrial-Organizational Psychology: Part II	3.5	100 ( 75+25)

Objectives: -

1. To impart knowledge and understanding of the basic concepts in and various facets of Industrial and Organizational Psychology
2. To create awareness about the role and importance of Psychological factors and processes in the world of work
3. To create a foundation for higher education and a professional career in Industrial Psychology and Organizational Behaviour

Semester 5. Industrial-Organizational Psychology: Part I 3 lectures per week

Unit 1. Job Analysis

- a) What is job analysis? Purposes of job analysis; How job analysis information is collected
- b) Methods of job analysis; Reliability and validity of job analysis information; Job evaluation

Unit 2. Performance Appraisal

- a) Why do we appraise employees? Performance criteria
- b) Objective and subjective methods for assessing job performance; the impact of technology on performance appraisal; legal issues in performance appraisal

Unit 3. Assessment Methods for Selection and Placement, and Selecting Employees

- a) Job-Related characteristics; Characteristics of psychological tests; various types of tests; Biographical information, interviews, work samples, assessment centres; electronic assessment
- b) Selecting employees – The planning of human resource needs, recruiting applicants; how do organizations select employees? Conducting a validation study; validity generalization; how predictor information is used for selection; getting applicants to accept and keep job offered; the utility of scientific selection; how valid selection devices work; computing the utility of scientific selection; international differences in selection practices; legal issues

Unit 4. Training

- a) Needs assessment, objectives, training design
- b) Delivery and evaluation of a training program

Sem. 6. Industrial-Organizational Psychology: Part II (Credits = 3.5) 3 lectures per week

Unit 1. Theories of Employee Motivation

- a) What is motivation? Work motivation theories, need theories
- b) Other Theories - Reinforcement theory, expectancy theory and self-efficacy theory; Justice theories, goal-setting theory, control theory and action theory

Unit 2. Feelings about Work: Job Attitudes and Emotions; Productive and Counterproductive Work Behaviour

- a) The nature of job satisfaction; how people feel about their jobs; the assessment and antecedents of job satisfaction
- b) Potential effects of job satisfaction; organizational commitment and emotions at work
- c) Productive work behaviour: ability, motivation, personal characteristics and task performance; environmental conditions and task performance; organizational constraints; organizational citizenship behaviour (OCB)
- d) Counterproductive work behaviour: withdrawal – absence, lateness, turnover; aggression, sabotage, and theft; labour unrest and strikes

Unit 3. Leadership and Power in Organizations

- a) What is leadership? Sources of influence and power; abuse of supervisory power: sexual and ethnic harassment
- b) Approaches to the understanding of leadership; women in leadership positions; cross-cultural issues in leadership

Unit 4. Organizational Development and Theory

- a) Organizational Development
- b) Organizational Theories

Note – As an Orientation to this paper, the following sub-topics should be taught in brief (questions will not be set on these sub-topics in the class test or semester-end examination)

- a) What is I-O Psychology? Activities and settings of I-O psychologists; I-O psychology as a profession and as a science; history of the field of I-O psychology; I-O psychology beyond the United States and the United Kingdom
- b) What it takes to become an I-O Psychologist; Internet resources for I-O Psychologists and students; ethics of the I-O Field; humanitarian work Psychology

### **Book for study**

**Spector, P. E. (2012). *Industrial and Organizational Psychology: Research and Practice*. Singapore: John Wiley & Sons Pte. Ltd. (Indian reprint 2015)**

### **Books for reference**

- 1) Aamodt, M.G. (2004). *Applied Industrial/Organizational Psychology*. (4<sup>th</sup> ed). Wadsworth/ Thomson Learning
- 2) Aswathappa, K. (2005). *Human Resource and Personnel Management – Text and Cases*, 4<sup>th</sup> ed, New Delhi, Tata McGraw-Hill Publishing Co. Ltd.
- 3) Dessler, G., & Verkkey, B. (2009). *Human Resource Management*. 11<sup>th</sup> ed., Pearson Education, Dorling Kindersley India, New Delhi
- 4) French, W.L., Bell, C.H. Jr, & Vohra, V. (2006). *Organization Development: Behavioural science interventions for organization improvement*. 6<sup>th</sup> ed., Pearson Education, Dorling Kindersley India, New Delhi
- 5) Greer, C.R. (2001). *Strategic Human Resource Management; A general managerial approach*. 2<sup>nd</sup> ed., Pearson Education, 6<sup>th</sup> Indian reprint 2004
- 6) Hellriegel, D., & Slocum, J.W. (2004). *Organizational Behavior*. (10<sup>th</sup> ed.). South Western/ Thomson Learning
- 7) Hersey, P., Blanchard, K. H., & Johnson, D. E. (2001). *Management of Organisational Behaviour*. 8<sup>th</sup> ed., Pearson, Dorling Kindersley India, New Delhi. 3<sup>rd</sup> Indian reprint 2009
- 8) Hoyer, W.D., MacInnis, D.J., & Dasgupta, P. (2008). *Consumer Behaviour*. Biztantra, New Delhi
- 9) Jones, G.R., & Mathew, M. (2009). *Organisational theory, design, and change*. 5<sup>th</sup> ed., Pearson Education, Dorling Kindersley India, New Delhi
- 10) Landy, F. J., & Conte, J. M. (2013). *Work In The 21<sup>st</sup> Century: An Introduction to Industrial and Organizational Psychology*, 4<sup>th</sup> Edition, John Wiley & sons, USA (Indian reprint 2015)
- 11) Luthans, F. (2005). *Organizational Behavior*. (10<sup>th</sup> ed.). McGraw Hill.
- 12) Matthewman, L., Rose, A., & Hetherington, A. (2009). *Work Psychology: An introduction to Human Behaviour in workplace*. Oxford university press
- 13) McKenna, E. (2006). *Business Psychology and Organisational Behaviour: A student's handbook*. 4<sup>th</sup> ed., Psychology Press, 1<sup>st</sup> Indian reprint 2009
- 14) Miner, J.B. (2002). *Organisational Behaviour: Foundations, theories, analyses*. New York: Oxford university press
- 15) Muchinsky, P.M. (2003). *Psychology Applied to Work*. (7<sup>th</sup> ed.). Wadsworth/ Thomson Learning
- 16) Newstrom, J.W., & Davis, K. (2002). *Organizational Behavior: Human Behavior at work* (11<sup>th</sup> ed.). Tata McGraw- Hill
- 17) Pareek, U. (2003). *Training Instruments in HRD and OD* (2nd ed.), Tata McGraw- Hill Publishing Company, Mumbai
- 18) Pareek, U., Rao, T.V., Pestonjee, D.M. (1981). *Behavior Process in Organizations: Readings, Cases, Instruments*. Oxford and IBH Publishing Co., New Delhi
- 19) Pareek, U. (2008). *Understanding Organizational Behaviour*. Oxford University Press, New Delhi
- 20) Sanghi, S. (2007). *Towards personal excellence: psychometric tests and self-improvement techniques for managers*. 2<sup>nd</sup> ed., Response books, Sage publications
- 21) Schultz, D., & Schultz, S. E. (2002). *Psychology and Work Today*. (8<sup>th</sup> ed.). Pearson Indian reprint 2008, by Dorling Kindersley India pvt ltd, New Delhi
- 22) Sekaran, U., (2004). *Organisational Behaviour: Text And Cases*. (2<sup>nd</sup> ed.). New Delhi: Tata McGraw- Hill
- 23) Shani, A. B., & Lau, J.B., (2005). *Behavior in Organizations: An Experiential Approach*. (8<sup>th</sup> ed.). McGraw Hill
- 24) Schultz, D., & Schultz, S. E. (2010). *Psychology and Work Today*. (10<sup>th</sup> ed.). Pearson Prentice Hall
- 25) Steptoe-Warren, G. (2014). *Occupational Psychology: An Applied Approach*. New Delhi: Dorling Kindersley (India) Pvt. Ltd.
- 26) Singh, D. (2006). *Emotional intelligence at work: A professional guide*. 3<sup>rd</sup> ed., New Delhi, Sage publications
- 27) Sinha, J. B. P. (2008). *Culture and Organisational Behaviour*. New Delhi, Sage publications.

Programme – Bachelor of Arts (B. A.) Credit Based Semester and Grading System  
T.Y.B.A. Psychology Syllabi to be implemented from 2015-2016  
Cognitive Psychology: Parts I and Part II (Paper VII in old scheme)

Code	Sem.	Course Title	Credits	Marks
UAPS504	5	Cognitive Psychology: Part I	4	100 (75 + 25)
UAPS604	6	Cognitive Psychology: Part II	4	100 (75 + 25)

Objectives

- 1) To impart knowledge and understanding of the fundamental concepts of Cognitive Psychology and the basic Cognitive processes
- 2) To create awareness about the various applications of Cognitive processes in everyday life and a foundation to enable understanding of their applications in other fields - Social, Educational, Industrial, Abnormal, Counseling, Sports, Health, Education, and Neuro-Psychology
- 3) To provide the theoretical orientation and background for the courses on Practicum in Cognitive Processes
- 4) To create a foundation for higher education and a career in the field of Cognitive Psychology

Semester 5. Cognitive Psychology: Part I (Credits = 4) 4 lectures per week

Unit I. Perception: Recognizing Patterns and Objects

- a. Gestalt approaches to perception
- b. Bottom-up processes and Top-down processes
- c. Direct perception; Disruptions of perception: visual agnosias

Unit II. Attention: Deploying Cognitive Resources

- a) Selective Attention; Neural Underpinnings of Attention
- b) Automaticity and the effects of practice
- c) Divided Attention

Unit III. Working Memory: Forming and Using New Memory Traces

- a) Traditional Approaches to the study of memory; Working Memory
- b) Executive Functioning
- c) Neurological studies of memory processes

Unit IV. Retrieving Memories from Long-Term Storage

- a) Aspects and Subdivisions of Long-Term Memory
- b) The Levels-of-Processing view
- c) The reconstructive nature of memory; Amnesia

Semester 6. Cognitive Psychology: Part II (Credits = 4) 4 lectures per week

Unit I. Knowledge Representation: Storing and Organizing Information in Long-Term Memory

- a) Organizing Knowledge
- b) Forming concepts and categorizing new instances

Unit II. Visual Imagery and Spatial Cognition

- a) Codes in Long-Term Memory
- b) Empirical investigations of imagery; the nature of mental imagery
- c) Neuropsychological findings; Spatial cognition

Unit III. Thinking and Problem Solving

- a) Classic problems and general methods of solution; Blocks to problem solving
- b) The Problem Space hypothesis
- c) Expert systems; Finding creative solutions; Critical thinking

Unit IV. Reasoning and Decision Making

- a) Reasoning; Types of Reasoning

- b) Decision Making; Cognitive illusions in decision making; Utility and Descriptive models of decision making
- c) Neuropsychological evidence on reasoning and decision making

Note – As an Orientation to this course, the following sub-topics should be taught in brief in 2 or 3 lectures (questions will not be set on these sub-topics in the class test or semester-end examination)

1. Cognitive psychology: History, methods, and paradigms
2. The brain: An overview of structure and function

**Book for study**

**Galotti, K.M. (2014). Cognitive Psychology: In and Out of the Laboratory. (5<sup>th</sup> ed.). Sage Publications (Indian reprint 2015)**

**Books for reference**

- 1) Ashcraft, M. H. & Radvansky, G. A. (2009). *Cognition*. (5<sup>th</sup> ed), Prentice Hall, Pearson education
- 2) Francis, G., Neath, I., & VanHorn, D. (2008). *Coglab 2.0 on a CD*. Wadsworth Cengage Learning, international student edition
- 3) Galotti, K.M. (2008). *Cognitive Psychology: Perception, Attention, and Memory*. Wadsworth New Delhi: Cengage Learning
- 4) Goldstein, E. B. (2007). *Psychology of sensation and perception*. New Delhi: Cengage learning India, Indian reprint 2008
- 5) Goldstein, E. B. (2005). *Cognitive Psychology: Connecting Mind, Research, and Everyday Experience*. Wadsworth/ Thomson Learning
- 6) Matlin, M.W. (1995). *Cognition*. 3<sup>rd</sup> ed., Bangalore: Prism Books pvt. ltd.
- 7) Matlin, M.W. (2013). *Cognitive Psychology*, 8<sup>th</sup> ed., international student version, John Wiley & sons
- 8) Reed, S. K. (2004). *Cognition: Theory and Applications*. (6<sup>th</sup> ed.), Wadsworth/ Thomson Learning
- 9) Robinson-Riegler, B., & Robinson-Riegler, G. L. (2008). *Cognitive Psychology – Applying the science of the Mind*. (2<sup>nd</sup> ed.). Pearson Education. New Delhi: Indian edition by Dorling Kindersley India pvt ltd.
- 10) Srinivasan, N., Gupta, A.K., & Pandey, J. (Eds). (2008). *Advances in Cognitive Science*. Volume 1, New Delhi, Sage publications
- 11) Sternberg, R.J. (2009). *Applied Cognitive Psychology: Perceivnig, Learning, and Remembering*. New Delhi: Cengage learning India, Indian reprint 2009
- 12) Solso, R.L., Maclin, O.H., & Maclin, M.K. (2013). *Cognitive Psychology*. Pearson education, New Delhi, first Indian reprint 2014
- 13) Surprenant, A.M., Francis, G., & Neath, I. (2005). *Coglab Reader*. Thomson Wadsworth

Credit Based Semester and Grading System  
T.Y.B.A. Psychology Syllabi to be implemented from 2015-2016  
Counseling Psychology: Part I and Part II (Paper IX in old scheme)

Code	Semester	Course Title	Credits	Marks
UAPS506	5	Counseling Psychology: Part I	3.5	100 (75 + 25)
UAPS606	6	Counseling Psychology: Part II	3.5	100 (75 + 25)

Objectives: -

1. To impart knowledge and understanding of the nature, process, goals, techniques, ethical issues and major theories in Counseling Psychology
2. To generate interest in the various applications and fields of counseling
3. To create a foundation for higher education in Counseling and a career as a professional counselor

Semester 5. Counseling Psychology: Part I (Credits = 3), 3 lectures per week

### Unit 1. Personal, Professional and Ethical Aspects of Counseling

- a) Meaning of 'Profession', 'Counseling', 'Guidance' and 'Psychotherapy'; The personality and background of the counselor – negative motivators, personal qualities, maintaining effectiveness; The 3 levels of helping relationships; Attribution and systematic framework of the counselor – attributes, systems of counseling; Engaging in professional counseling-related activities – continuing education, supervision, advocacy and social justice, portfolios
- b) Definitions of Ethics, Morality, and Law; ethics and counseling; professional codes of ethics and standards; making ethical decisions; educating counselors in ethical decision making; ethics in specific counseling situations; multiple relationships; working with counselors who may act unethically

### Unit 2. Counseling in Multicultural Society and with Diverse Populations

- a) Counseling across culture and ethnicity; defining culture and multicultural counseling; history of multicultural counseling; difficulties and issues in multicultural counseling; international counseling
- b) Counseling aged populations; gender-based counseling; counseling and sexual orientation; counseling and spirituality

### Unit 3. Building a Counseling Relationship

- a) The six factors that influence the counseling process
- b) Types of initial interviews; conducting the initial interview
- c) Exploration and the identification of goals

### Unit 4. Working in a Counseling Relationship

- a) Various counselor skills in the understanding and action phases
- b) Transference and counter-transference; the real relationship

## Semester 6 Counseling Psychology: Part II (Credits = 3), 3 lectures per week

### Unit 1. Testing, Assessment, Diagnosis in Counseling; Closing Counseling Relationships

- a) A brief history of the use of tests in counseling; tests and test scores; problems and potential of using tests; administration and interpretation of tests; assessment and diagnosis
- b) Function, timing of and issues in closing counseling relationships; resistance to closing; premature closing; counselor-initiated closing; ending on a positive note; issues related to closing - follow-up and referral

### Unit 2. Psychoanalytic, Adlerian, and Humanistic Theories of Counseling

- a) Theory; importance of theory; theory into practice
- b) Psychoanalytic theories, Adlerian theory, Humanistic theories

### Unit 3. Behavioral, Cognitive, Systemic, Brief, and Crisis Theories of Counseling

- a) Behavioral counseling; Cognitive and Cognitive-Behavioral counseling
- b) Systems theories; Brief counseling approaches; Crisis and trauma counseling approaches

### Unit 4. Groups in Counseling and Current trends in Counseling

- a) A brief history of groups; misperceptions and realities about groups; the place of groups in counseling; benefits, drawbacks and types of groups
- b) Theoretical approaches in conducting groups; stages and issues in groups; Qualities of effective group leaders; the future of group work
- c) Current trends in Counseling - Dealing with violence, trauma and crises; promoting wellness; concern for social justice and advocacy; greater emphasis on use of technology

### Book for study

**Gladding, S. T. (2014). *Counseling: A Comprehensive Profession*. (7<sup>th</sup> Ed.). Pearson Education. New Delhi: Indian subcontinent version by Dorling Kindersley India pvt ltd.**

### Books for reference

1. Arulmani, G., & Nag-Arulmani, S. (2004). *Career Counseling – a handbook*. New Delhi: Tata McGraw-Hill
2. Capuzzi, D., & Gross, D. R. (2007). *Counseling and Psychotherapy: Theories and Interventions*. (4<sup>th</sup> ed.). Pearson Prentice Hall. First Indian reprint 2008 by Dorling Kindersley India pvt ltd.
3. Capuzzi, D., & Gross, D. R. (2009). *Introduction to the Counseling Profession*. (5<sup>th</sup> ed.). New Jersey: Pearson Education
4. Corey, G. (2005). *Theory and Practice of Counseling and Psychotherapy* (7<sup>th</sup> ed.). Stamford, CT: Brooks/Cole

5. Corey, G. (2008). *Group Counseling*. Brooks/Cole. First Indian reprint 2008 by Cengage Learning India
6. Cormier, S. & Nurius, P.S. (2003). *Interviewing and change strategies for helpers: Fundamental skills and cognitive behavioural interventions*. Thomson Brooks/Cole
7. Dryden, W., & Reeves, A. (Eds). (2008). *Key issues for Counselling in Action*. 2<sup>nd</sup> ed. London: Sage publications
8. Gelso, C.J., & Fretz, B.R. (2001). *Counseling Psychology: Practices, Issues, and Intervention*. First Indian reprint 2009 by Cengage Learning India
9. Gibson, R.L., & Mitchell, M.H. (2008). *Introduction to Counseling and Guidance*. 7<sup>th</sup> ed., Pearson Education, Dorling Kindersley India, New Delhi
10. Heppner, P. P., Wampold, B. E., & Kivlighan, D. M. Jr. (2007). *Counseling research*. Brooks/ Cole, Indian reprint 2008 by Cengage Learning, New Delhi
11. Jena, S.P.K. (2008). *Behaviour Therapy: Techniques, research, and applications*. Sage publications, New Delhi
12. Kinara, A. K. (2008). *Guidance and Counseling*. Pearson, New Delhi: Dorling Kindersley India pvt ltd.
13. McLeod, J. (2009). *An Introduction to Counseling*. (4<sup>th</sup> ed.). Open University Press/ McGraw-Hill Higher Education
14. Nelson-Jones, R. (2008). *Basic Counselling Skills: A helper's manual*. 2<sup>nd</sup> ed., Sage South Asia edition
15. Nelson-Jones, R. (2009). *Introduction to Counselling Skills: Text and Activities*. 3<sup>rd</sup> ed., London: Sage publications
16. Nugent, F.A., & Jones, K.D. (2009). *Introduction to the Profession of Counseling*. (5<sup>th</sup> ed.). New Jersey: Pearson Education
17. Rao, N. S. (1991). *Counseling and Guidance*. (2nd ed.). New Delhi: Tata McGraw-Hill. (17<sup>th</sup> reprint – 2004)
18. Simmons, J. & Griffiths, R. (2009). *CBT for Beginners*. London: Sage publications
19. Welfel, E. R., & Patterson, L. E. (2005). *The Counseling Process: A Multi-theoretical Integrative Approach*. (6<sup>th</sup> ed.). Thomson Brooks/ Cole

Credit Based Semester and Grading System  
T.Y.B.A. Psychology Syllabi to be implemented from 2015-2016  
Practicals in Cognitive Processes and Psychological Testing (Paper VIII in old scheme)

Code	Sem.	Course Title	Credits	Marks
UAPS	5	Practicals in Cognitive Processes and Psychological Testing: Part I	4	100 (75 + 25)
UAPS	6	Practicals in Cognitive Processes and Psychological Testing: Part II	4	100 (75 + 25)

Objectives

1. To introduce the students to Experimentation through exposure to and experience of experimental designs, methodology and conduct of experiments, statistical analysis, interpretation and discussion of data.
2. To introduce the students to Psychological Testing: administration, scoring and interpretation of test scores as well as a procedural understanding of concepts related to psychological testing
3. To familiarize the students with computer-based experiments (Coglab) and sensitize them to aspects of control, precision of exposure and measurement
4. To stimulate interest in the process of scientific inquiry with an analytical attitude and To create a foundation for advanced Experimentation and Research in Psychology and applications of advanced Statistical techniques

Syllabus for Semester 5 (6 lectures per week per Batch of 8 students)

a. Basics of Experimentation and Statistics in Psychological Research

i) The distinction between descriptive statistics and inferential statistics; sampling methods, types of variables, conceptual and operational definition of variables; Experimental designs; Randomization and counterbalancing; null and alternative hypotheses, directional and non-directional hypotheses

ii) Identification of the research question, variables in studies, writing of various types of hypotheses, understanding of the relationship between the research question and the directionality of the hypothesis and understanding the role of extraneous variables on interpretation and listing the same in studies, sampling error, significant difference, rejection of the null hypothesis, one-tailed vs. two-tailed tests, Type I and Type II decision errors

iii) Application of inferential statistics - The t test - Significance of difference between 2 means as applied to Repeated measures designs and Randomized group designs;

iv) Use of Excel or SPSS: data entry and basic statistical procedures; Correlation

v) Report writing: APA style for research reports

vi) Practice Exercises in Methodology and Statistics - Discussion and understanding of research situations – 2 Practice exercises, 2 Practice experiments

b. Two Experiments in Cognitive Processes to be conducted and Group data to be collected and analysed using appropriate inferential statistics

c. Two Exercises in Psychological Testing

d. One Computer-based Experiment (Coglab)

Syllabus for Semester 6 (6 lectures per week per Batch of 8 students)

a. Basics of Experimentation and Statistics in Psychological Research (i, ii, iv, v, and vi as given above); Application of inferential statistics - the chi square test; One-way ANOVA as applied to Repeated measures designs and Randomized group designs

b. Practice Exercises in Methodology and Statistics - Discussion and understanding of research situations -2 Practice exercises, 2 Practice experiments

c. Two Experiments in Cognitive Processes to be conducted and Group data to be collected and analysed using appropriate inferential statistics

- d. Two Exercises in Psychological Testing
- e. One Computer-based Experiment (Coglab)

#### Books for reference

- 1) Anastasi, A. & Urbina, S. (1997). *Psychological Testing*. (7<sup>th</sup> ed.). Pearson Education, New Delhi, first Indian reprint 2002
- 2) Aaron, A., Aaron, E. N., & Coups, E. J. (2006). *Statistics for Psychology*. (4<sup>th</sup> ed.). Pearson Education, Indian reprint 2007
- 3) Carver, R. H., & Nash, J. G. (2009). *Data Analysis with SPSS version 16*. Brooks/Cole, Cengage Learning, first Indian reprint 2009
- 4) Cohen, B. H. (2013). *Explaining Psychological Statistics* (4<sup>th</sup> ed.). New Jersey. John Wiley & sons
- 5) Cohen, J. R., Swerdlik, M. E., & Sturman, E. D. (2013). *Psychological Testing and Assessment: An introduction to Tests and Measurement*. (8<sup>th</sup> ed.). New York. McGraw-Hill International edition. (Indian reprint 2015)
- 6) Elmes, D.G., Kantowitz, B.H., & Roediger, H.L. (1999) *Research Methods in Psychology*. (6<sup>th</sup> ed.). Brooks/Cole, Thomson Learning
- 7) Francis, G., Neath, I., & VanHorn, D. (2008). *Coglab 2.0 on a CD*. Wadsworth Cengage Learning, International student edition
- 8) Garrett, H.E. (1973). *Statistics in Psychology and Education* (6<sup>th</sup> ed.) Bombay: Vakils, Feffer, and Simons Pvt. Ltd.
- 9) Guilford, J. P. (1954). *Psychometric Methods* (2nd ed.). New York: McGraw-Hill
- 10) Guilford, J.P. Fruchter, B. (1973). *Fundamental statistics in psychology and education*. (5th ed.) New York : McGraw-Hill
- 11) Goldstein, E. B. (2005). *Cognitive Psychology: Connecting Mind, Research, and Everyday Experience*. Wadsworth/ Thomson Learning
- 12) Gaur, A. J., & Gaur, S. S. (2009). *Statistical Methods for Practice and Research: A Guide to Data Analysis Using SPSS*. 2<sup>nd</sup> ed., Response books, Sage Publications
- 13) Harris, P. (2008). *Designing and Reporting Experiments in Psychology*. 3<sup>rd</sup> ed., Open University Press, McGraw-Hill Education
- 14) Heppner, P. P., Wampold, B. E., & Kivlighan, D. M. Jr. (2007). *Counseling research*. Brooks/ Cole, Indian reprint 2008 by Cengage Learning, New Delhi
- 15) Hollis-Sawyer, L.A., Thornton, G. C. III, Hurd, B., & Condon, M.E. (2009). *Exercises in Psychological Testing*. (2<sup>nd</sup> ed.). Boston: Pearson Education
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- 18) Mangal, S. K. (1987). *Statistics in Psychology and Education*. New Delhi : Tata McGraw Hill Publishing Company Ltd.
- 19) Martin, D. W. (2004). *Doing Psychology Experiments*. (6<sup>th</sup> ed.). Belmont: Thomson Wadsworth
- 20) Matlin, M. W. (1995). *Cognition*. 3<sup>rd</sup> ed., Bangalore: Prism Books pvt. ltd.
- 21) King, B. M., Rosopa, P. J., & Minium, E. W., (2011). *Statistical Reasoning in the Behavioral sciences*, John Wiley & sons
- 22) Minium, E. W., King, B. M., & Bear, G. (2001). *Statistical Reasoning in Psychology and Education*. Singapore: John-Wiley
- 23) Pareek, U. (2003). *Training Instruments in HRD and OD* (2nd ed.), Tata McGraw- Hill Publishing Company, Mumbai
- 24) Snodgrass, J. G., Levy-Berger G. V., & Haydon, M. (1985). *Human Experimental Psychology*. New York: Oxford University Press.
- 25) Solso, R. L., & McLin, M. K. (2002). *Experimental Psychology: A case approach*. 7<sup>th</sup> ed., Allyn Bacon, Pearson Education New Delhi, Indian reprint 2003
- 26) Steinberg, W. J. (2008). *Statistics Alive!* Los Angeles: Sage Publications, Inc.
- 27) Surprenant, A.M., Francis, G., & Neath, I. (2005). *Coglab Reader*. Thomson Wadsworth

**Pattern of question paper for Semester-end examination at T.Y.B.A. Semesters 5 and 6 For the courses in Psychological Testing and Statistics: Parts I and II**

Duration of examination = 2 1/2hours Marks = 75 (per semester)

All 5 questions carry 15 marks and are compulsory. There will be internal choice in each Question. The first 4 questions will be on the first 4 units.

Q. 1 will have 2 essay-type questions A and B of 15 marks on any 2 different units out of the 4 units covered in the semester, in any combination like 1 and 2, 1 and 4, 2 and 4, and so on.

Q. 2 will have 2 essay-type questions A and B on the other 2 units out of the 4 units which are not covered in Q. no. 1. Students can answer either A or B of question no. 1 and 2.

Q. no. 3 will be - Write any 3 short notes out of 6, based on any 2 different units out of the 4 units covered in the semester, with 3 notes from each of the 2 units.

Q. no. 4 will be - Explain the terms in brief, based on the other 2 units out of the 4 units which are not covered in Q. no. 3., any 5 terms out of 8; 4 terms from each of the 2 units)

Q. no. 5 will be based on units 5 and 6 which are of Statistics. Part A in Q. no. 5 will be on unit 5 and part B on unit 6 of the semester. There will be a theoretical question for 3 marks and 12 marks will be for preparing a frequency distribution or for various calculations according to the topics in the unit.

Semester 5 - One Example – (questions 1, 2, 3 and 4 on Psychological Testing; q. 5 on Statistics)

Q. 1	On units 1 and 3	Attempt either A or B. A. Essay-type on Unit 1. B. Essay-type on Unit 3.
Q. 2	On units 2 and 4	Attempt either A or B. A. Essay-type question on Unit 2. B. Essay-type question on Unit 4.
Q. 3	On units 2, 3	Write short notes (any 3 out of 6; three short notes from unit 2 and three short notes from unit 3)
Q. 4	On units 1, 4	Explain the terms in brief. (Any 5 terms out of 8; 4 terms from on unit 1 and 4 terms from unit 4)
Q. 5	On units 5 and 6; Statistics	Attempt either A or B. A. i) Theoretical question for 3 marks on unit 5. * ii) Prepare a Frequency Distribution of given scores - 12 marks B. i) Theoretical question for 3 marks on unit 6. ii) Calculate of Mean, Median and Mode of a Frequency Distribution. (12 marks; 5, 5, and 2 marks respectively)

\* Note - Only theoretical questions will be asked on frequency polygon, histogram, cumulative frequency curve, ogive and smoothing a frequency polygon; questions of drawing these graphs will not be asked in the class test or in the Semester End exam.

Semester 6 - One Example

Q. 1	On units 1 and 3	Attempt either A or B. A. Essay-type on Unit 1. B. Essay-type on Unit 3.
Q. 2	On units 2 and 4	Attempt either A or B. A. Essay-type question on Unit 2. B. Essay-type question on Unit 4.
Q. 3	On units 2, 3	Write short notes (any 3 out of 6; three short notes from unit 2 and three short notes from unit 3)
Q. 4	On units 1, 4	Explain the terms in brief. (Any 5 terms out of 8; 4 terms from on unit 1 and 4 terms from unit 4)
Q. 5	On units 5 and 6 Statistics	Attempt either A or B. A. i) Theoretical question for 3 marks on unit 5. ii) Calculate QD or SD (9 marks) and 1 Percentile <u>or</u> 1 Percentile Rank (3 marks). B. i) Theoretical question for 3 marks on unit 6. ii) Calculate rho by Spearman's rank-difference method (11 marks for Calculation, 1 mark for interpretation)

**Pattern of Question Paper for Semester End Assessment to be implemented from 2014-2015 at T.Y.B.A. Semesters 5 and 6; for the courses in Abnormal Psychology, Cognitive Psychology, and Counseling Psychology**

Duration of examination = 2 1/2hours Marks = 75 (per semester)

All 5 questions carry 15 marks and are compulsory. There will be internal choice in each Question. Questions no. 1 and 2 will have essay-type questions, Questions no. 3 and 4 will have short notes, and Questions no. 5 will have Explain the terms in brief.

Q. 1 will have 2 essay-type questions A and B of 15 marks on any 2 different units out of the 4 units covered in the semester, in any combination like 1 and 2, 1 and 4, 2 and 4, and so on.

Q. 2 will have 2 essay-type questions A and B on the other 2 units out of the 4 units which are not covered in Q. no. 1.

Students can answer either A or B of question no. 1 and 2.

Q. no. 3 will be - Write any 3 short notes out of 6, based on any 2 different units out of the 4 units covered in the semester, with 3 notes from each of the 2 units.

Q. no. 4 will be - Write any 3 short notes out of 6, based on the other 2 units out of the 4 units which are not covered in Q. no. 3., with 3 notes from each of the 2 units.

Q. no. 5 will be Explain the terms in brief, based on all 4 units. (Any 5 terms out of 8; 2 terms from each of the 4 units)

Example 1			Example 2		
Q. 1	On units 1 and 3	Attempt either A or B. A. Essay-type on Unit 1. B. Essay-type on Unit 3.	Q. 1	On units 1 and 4	Attempt either A or B. A. Essay-type on Unit 1. B. Essay-type on Unit 4.
Q. 2	On units 2 and 4	Attempt either A or B. A. Essay-type on Unit 2. B. Essay-type on Unit 4.	Q. 2	On units 2 and 3	Attempt either A or B. A. Essay-type on Unit 2. B. Essay-type on Unit 3.
Q. 3	On units 3 and 4	Write short notes (any 3 out of 6). Notes a, b, c from unit 3; e, f, g from Unit 4.	Q. 3	On units 3 and 1	Write short notes (any 3 out of 6). Notes a, b, c from Unit 3; e, f, g from Unit 1.
Q. 4	On units 1 and 2	Write short notes (any 3 out of 6). Notes a, b, c from unit 1; e, f, g from Unit 2.	Q. 4	On units 4 and 2	Write short notes (any 3 out of 6). Notes a, b, c from Unit 4; e, f, g from Unit 2.
Q. 5	On units 1, 2, 3 and 4	Explain the terms in brief. (Any 5 out of 8 terms). 2 terms from each Unit.	Q. 5	On units 1, 2, 3 and 4	Explain the terms in brief. (Any 5 out of 8 terms). 2 terms from each Unit.

### **Pattern of Question Paper for Semester End Assessment to be implemented from 2015-2016 at T.Y.B.A. Semesters 5 and 6; for the course in Industrial-Organizational Psychology**

Duration of examination = 2 1/2 hours    Marks = 75 (per semester)

All 5 questions carry 15 marks and are compulsory. There will be internal choice in each Question. Questions no. 1 and 2 will have essay-type questions, Questions no. 3 and 4 will have short notes, and Questions no. 5 will have Explain the terms in brief.

Q. 1 will have 2 essay-type questions A and B of 15 marks on any 2 different units out of the 4 units covered in the semester, in any combination like 1 and 2, 1 and 4, 2 and 4, and so on.

Q. 2 will have 2 essay-type questions A and B on the other 2 units out of the 4 units which are not covered in Q. no. 1.

Students can answer either A or B of question no. 1 and 2.

Q. no. 3 will be - Write any 3 short notes out of 6, based on any 2 different units out of the 4 units covered in the semester, with 3 notes from each of the 2 units.

Q. no. 4 will be - Write any 3 short notes out of 6, based on the other 2 units out of the 4 units which are not covered in Q. no. 3., with 3 notes from each of the 2 units.

Q. no. 5 will be Explain the terms in brief (Any 5 terms out of 8), based on all 4 units

In semester 5 - 1 term each from units 1, 2, 4; and 5 terms from unit 3

In semester 6 - 1 term each from units 1, 3, 4; and 5 terms from unit 2

Example 1 semester 5			Example 2 semester 6		
Q. 1	On units 1 and 3	Attempt either A or B. A. Essay-type on Unit 1. B. Essay-type on Unit 3.	Q. 1	On units 1 and 4	Attempt either A or B. A. Essay-type on Unit 1. B. Essay-type on Unit 4.
Q. 2	On units 2 and 4	Attempt either A or B. A. Essay-type on Unit 2. B. Essay-type on Unit 4.	Q. 2	On units 2 and 3	Attempt either A or B. A. Essay-type on Unit 2. B. Essay-type on Unit 3.
Q. 3	On units 3 and 4	Write short notes (any 3 out of 6). Notes a, b, c from unit 3; e, f, g from Unit 4.	Q. 3	On units 3 and 1	Write short notes (any 3 out of 6). Notes a, b, c from Unit 3; e, f, g from Unit 1.
Q. 4	On units 1 and 2	Write short notes (any 3 out of 6).	Q. 4	On units 4 and 2	Write short notes (any 3 out of 6).

		Notes a, b, c from unit 1; e, f, g from Unit 2.			Notes a, b, c from Unit 4; e, f, g from Unit 2.
Q. 5	On units 1, 2, 3 and 4	Explain the terms in brief. (Any 5 out of 8 terms). 1 term each from units 1, 2, and 4 and five terms from unit 3		Q. 5	On units 1, 2, 3 and 4 Explain the terms in brief. (Any 5 out of 8 terms). 1 term each from units 1, 3, and 4 and five terms from unit 2

**Pattern of question paper for Class Test of 20 marks at T.Y.B.A.** to be implemented from 2015-16 for 4 courses (Abnormal Psychology, Industrial-Organizational Psychology, Cognitive Psychology and Counseling Psychology)

The class test will be on any 1 unit taught in that Semester. The Pattern can be any one of the following types.

- 1) Write short notes. (Any 4 out of 6, each having 5 marks)
- 2) Explain the terms in brief. (Any 10 out of 14, each having 2 marks)
- 3) Fill in the blanks (Any 20 out of 24, each having 1 mark)
- 4) Multiple choice question with 4 options (Any 20 out of 24, each having 1 mark)
- 5) Two questions of 10 marks each; any possible combination of questions of any 2 of the above 4 types – e.g.
  - 2 Short Notes out of 4 and 10 out of 14 Fill in the blanks
  - 5 out of 10 terms in brief and 2 out of 4 short notes or
  - 10 out of 14 Fill in the blanks and 10 out of 14 Multiple choice question with 4 options, and so on.

Note – If technical facilities are available in the college, for option 4 )Multiple choice question with 4 options), modern methods like Moodle, clickers and OMR sheets can be used.

**Pattern of question paper for class test on Psychological Testing and Statistics: Parts I and II**

The class test will be on any 1 unit taught in that Semester. If the unit is of Psychological Testing, the Pattern will be as given above.

If the class test is on a unit of Statistics, the Pattern will be as follows -

- A) 8 marks Theoretical question on the unit - Fill in the blanks or Multiple choice question (8 out of 10) or Explain the terms in brief (Any 4 out of 6).
- B) 12 marks, of any 1 of the following, depending on the unit the test is based –
  - Prepare a Frequency Distribution of given scores or
  - Calculate of Mean, Median and Mode of a Frequency Distribution (5, 5, and 2 marks) or
  - Calculate QD or SD (9 marks) and 1 Percentile or 1 Percentile Rank (3 marks) or
  - Calculate rho by Spearman’s rank-difference method (11 marks for Calculation, 1 mark for interpretation)

**Pattern of Semester-end examination at T.Y.B.A. Semesters 5 and 6**

**For the course Practicals in Cognitive Processes and Psychological Testing (Paper VIII)**

Duration of examination = 2 1/2hours Marks = 75 (per semester)

- Instructions and conduct of experiment - 20 marks
- Viva on Coglab, test, experiment - 10 marks
- Short Written test on Practice exercises and testing - 10 marks
- Report of experiment - 35 marks (Introduction 10; Methodology - controls 06; Accuracy in Data Analysis 03; Discussion 16 marks - 08 each for Individual data and group data)

**Pattern of question paper for class test of 20 marks on Practicals in Cognitive Processes and Psychological Testing (Paper VIII)**

**Option 1 -**

Part A. 12 marks for Introduction points of any 1 of the two experiments conducted in the semester

1. Write short notes. (Any 2 out of 4, each having 6 marks)
2. Explain the terms in brief. (Any 6 out of 10, each having 2 marks)
3. Fill in the blanks (Any 12 out of 16, each having 1 mark)
4. Multiple choice question with 4 options (Any 12 out of 16, each having 1 mark)

Part B. 4 marks - 2 Q.s on any 1 Practice exercise of the semester

Part C. 4 marks - 2 Q.s on any 1 Practice Experiment of the semester

**Or Option 2 -**

Part A. 16 marks for Introduction points and methodology of any 1 of the two experiments conducted in the semester

Part B. 4 marks - for 2 Q.s of 2 marks each, both q.s on any 1 Practice Exercise or any 1 Practice Experiment of the semester

**Or Option 3** – All Questions on Methodology and Basics of Inferential Statistics