



Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore
Shri Vaishnav Institute of Forensic Science
Choice Based Credit System (CBCS)
B.Sc. with Major Forensic Psychology Batch (2024-2027)
I SEMESTER

COURSE CODE	CATEGORY	COURSENAME	TEACHING & EVALUATION SCHEME									
			THEORY			PRACTICAL			L	T	P	CREDITS
			ENDESEM University Exam	Two Term Exam	Teachers Assessment*	ENDESEM University Exam	Teachers Assessment*					
BFPSY101	Major	Introduction to Forensic Science and Psychology	60	20	20	60	40	4	0	4	6	

Legends- Lecture's-Tutorial/Teacher Guided Student Activity; P- Practical's-Credit.

***Teacher Assessment** shall be based following components: Quiz/Assignment/Project/Participation in Class, given that no component shall exceed more than 10 marks.

Course Educational Objectives: The objective of studying the paper is -

- CEO.1. To know the significance of Forensic science to human Society.
- CEO.2. To know the fundamental principles and functions of Forensic Science.
- CEO.3. To know the Psychology as a discipline.
- CEO.4. To know the basic concept of Psychology.

Course Outcomes: The Outcome of studying the paper is-

- CO.1. Students will be able to understand the basics of forensic Science.
- CO.2. Students will be able to understand the methods of crime scene investigation.
- CO.3. Students will be able to understand the psychological aspect of Forensic science.
- CO.4. Students will be able to understand psychology as a domain.

UNIT I: Introduction to Forensic Science

Definition and Scope of Forensic Science, Historical perspective of forensic science in India, Principles of Forensic science, Branches of forensic science, Development of Forensic science laboratories in India, Organizational Setup of central and state forensic science laboratories, Role of Mobile forensic science unit in investigation.

UNIT II: Crime Scene Management

Crime Scene: Definition and types, Physical evidences- definition and types, Different search methods for locating physical evidences at scene of crime, Chain of Custody, Handling of physical Evidences at scene of crime, Chain of custody, Handling of physical evidences, preservation, packing, labeling, transportation forwarding of physical evidences of different nature.

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UNIT III: Detective Agencies and Training Institutes of Forensic Science

Fingerprint Bureaus, National Crime Record Bureaus (NCRB), Police & detective Training Schools (CDTS), Bureau of Police Research & Development, (BPR& D), Directorate of Forensic science (DFS), CBI, Police Academics, Role of Police Dogs, INTERPOL and FBI

UNIT IV: Psychology as Discipline

Psychology: as a science, perspectives, origin and development of psychology, Research Methods in Psychology: Experimental, Case study and Observation and Interview; Fields of psychology, Psychology as an interdisciplinary approach, Scope of psychology in modern India.

UNIT V: Basic Concept of Psychology

Cognitive processes: Perception: nature of perception, Determinants of perception, Laws of perceptual organization and Figure-ground approach, Depth Perception, Memory and types of memory, Information processing model, Factors influencing memory and techniques for improving memory.

Practical's:

1. To write a case study of criminal case involving forensic investigation.
2. To review the annual reports of National Crime Record Bureau.
3. To review the working of State and Central Fingerprint Bureau.
4. To review the organizational setup of FSL at Central and State level.
5. To review the role of Bureau of police Research and development.
6. To review the functioning of criminal courts.
7. To study the Depth perception.
8. To perform Koh's Block Design Test.
9. To study Span of attention.

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Suggested Readings:

1. Houck, M .M & Siegel, J.A; Fundamentals of Forensic Science, Academic Press, London, 2006.
2. Sharma, B.R; Forensic Science in Criminal Investigation & Trials, Universal Publishing Co., New Delhi, 2003.
3. Nanda B. Band Tewari, R.K; Forensic Science in India-A vision for the Twenty First Century, Select Publisher, New Delhi, 2001.
4. James, S. Hand Nordby,J; Forensic Science-An Introduction to Scientific and Investigative Techniques, CRC Press, USA,2003.
5. Safer stein Criminalistic-An Introduction of Forensic Science, Prentice Hall Inc, USA 2007.
6. Barry, A.J. Fisher; Techniques of Crime Scene Investigation, 7th Ed, CRC Press, NewYork, 2003.
7. Mordby, J.& Reckoning, D; The Art of Forensic Detection, CRCPressNewYork,2003.
8. G.R. Chatwal; Analytical Spectroscopy 2nd Edn, Himalaya Publishing House New Delhi, 2002.
9. Aitken and Stoney; The Use of Statistics in Forensic Science,EllisHorwood,NewYork,1991.
10. Roberts on and Vignaux; Interpreting Evidence, John Wiley, NewYork,1995.
11. H.L. Blitzer and J. Jacobia; Forensic Digital Imaging and Photography, Academic Press, London, 2002
12. David Rewicker; The Practical Methodology of Forensic Photography-2ndEd. CRC Press, NewYork,2001.
13. R.E. Jacobson, S.F. Ray, G.G. Attridge; The Manual of Photography-Photographic and Digital Imaging,N.R. Oxford.
14. Gregory, R.J. (2005). Psychological Testing (4th ed.). Delhi: Pearson education Pvt. Ltd.
15. Thou Teisi (2011) Forensic Psychology. ABD Publishers, Jaipur-302018

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SEMESTER I

BFPSY201 BASICS OF PERSONALITY

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			THEORY			PRACTICAL		L	T	P	CREDITS
			ENDESEM University Exam	Two Term Exam	Teachers Assessment*	ENDESEM University Exam	Teachers Assessment*				
BFPSY102	Minor -I	BASICS OF PERSONALITY	60	20	20	0	0	3	0	0	3

Legends- Lecture's-Tutorial/Teacher Guided Student Activity; P- Practical's-Credit.

***Teacher Assessment** shall be based following components: Quiz/Assignment/Project/Participation in Class, given that no component shall exceed more than 10 marks.

Course Educational Objectives: The objective of studying the paper is -

CEO.1. Appreciating conceptualizations of personality in the Western as well as Eastern traditions.

CEO.2. Understanding self and personality through Eastern perspectives such as Mimamsa, Vedanta

CEO.3. Developing a critical understanding of personality through various Western approaches.

CEO.4. Understanding biological and environmental influences on personality development.

CEO.5. Fostering an applied perspective by engaging students in group discussion .

Course Outcomes: The Outcome of studying the paper is-

CO.1. Will able to study the eastern and western tradition of personality.

CO.2. Will able to understand the different perspective of Personality Theories.

CO.3. Will able to learn the trait of personality.

CO.4. Will able to understand the biological and environmental influence of personality

CO.5. Will able to perform case studies related to personality.

UNIT: I: Introduction to Personality

Introduction to personality, Concept and Definition of personality, Role of Factors in the Development of Personality (heredity and environment), Assessment of personality, Approaches: Person-Situation Interaction; Idiographic & Nomothetic.

UNIT: II: Western approaches to personality - I

Trait and Type Approaches (including Eastern Perspective such as "Tri-guna" theory),

Socio-cognitive approach to Personality, Psychoanalytic and Neo-Psychoanalytic Theories of Personality- Sigmund Freud, Carl Jung, Horney, and Erik Erikson.

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SEMESTER I

UNIT: III: Western approaches to personality – II

Psychoanalytical Approach to Personality, Humanistic Approach to Personality, Trait Approach- G. Allport, Raymond Cattell, Hans. J. Eysenck, Five Factor Model – Costa & McCrae.

UNIT: IV: Understanding Self through Eastern Perspectives

Understanding self through Mimamsa, Vedanta, Samkhya and Yoga, understanding self through Sufi and Buddhist tradition, Understanding Self through Sri Aurobindo's Integral Yoga

UNIT: V: Personality Assessment Methods

Personality Assessment Methods- Objective, Projective and Behavioral methods, Big Five Personality Inventory, Personality Assessment Profile, Personality Inventory, Thematic apperception Test (TAT), Minnesota Multiphasic Personality inventory (MPI), 16 PF Personality test .

Suggested Readings:

1. Carducci, B. J. (2009). The psychology of personality: Viewpoints, research & application. Hong Kong: Wiley-Blackwell.
2. Ciccarelli, S. K., & Meyer, G. E. (2010). Psychology: South Asian edition. New Delhi, India: Pearson Education.
3. Cornelissen, R. M. M., Misra, G., & Varma, S. (Eds.) (2011). Foundations of Indian psychology—Theories and concepts (Vol. 1). New Delhi, India: Pearson.
4. Feist, J., Feist, G.J. & Herman, T.A.R.W. (2018). Theories of Personality. Tata Mc Graw Hill
5. Friedman, H. S., & Schustack, M. W. (2006). Personality: Classic theories and modern research. New Delhi, India: Pearson.
6. Kuppaswamy, B. (2001). Elements of ancient Indian psychology. New Delhi, India: Konark Publishers Pvt. Ltd.
7. Misra, G., & Mohanty, A. K. (Eds.) (2002). Perspectives on indigenous psychology. New Delhi, India: Concept Publishing Company.
8. Paranjpe, A. C. (1984). Theoretical psychology: The meeting of east and west. New York: Plenum Press.
9. Patnaik, D. (2015). My Gita. New Delhi: Rupa.
10. Rao, K. R., Paranjpe, A. C., & Dalal, A. K. (Eds.) (2008). Handbook of Indian psychology. New Delhi, India: Foundation Books.
11. A.A.Moenssens, J.Starrs, C.E.Henderson and F.E.Inbau, *Scientific Evidence in Civil and Criminal Cases*, 4th Edition, The Foundation Press, Inc., New York (1995).

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SEMESTER I

BFPSY103 BIOPSYCHOLOGY

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			ENDSEM University Exam	Two Term Exam	Teachers Assessment*	ENDSEM University Exam	Teachers Assessment*				
BFPSY103	Minor -II	Biopsychology	60	20	20	0	0	3	0	0	3

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Course Educational Objectives: The objective of studying the paper is -

- CEO.1. To understand the concept of Biopsychology.
- CEO.2. To understand the Nervous system of the human body
- CEO.3. To understand difference between learning and memory
- CEO.4. To understand the arousal pattern
- CEO.5. To understand the hunger and thirst.

Course Outcomes: The Outcome of studying the paper is-

- CO.1. To know basic concepts of biopsychology.
- CO.2. To know about the human nervous system.
- CO.3. To know about learning and memory.
- CO.4. To study the biological rhythm.
- CO.5. To study the human behavior – emotion and anxiety.

UNIT: I: Concepts of Biopsychology

Concept of biopsychology, reductionism, ethical issues, Neurons, Synapses, Neurotransmitters, nervous system: Basic subdivisions- Peripheral and Central, Hemisphere function, Sperry and the split – brain, Left handedness, Emotion and the right hemispheres.

UNIT II: Learning and Memory

Learning and Memory, Anterograde and retrograde Amnesia, Korsakoff's Psychosis, Alzheimer disease, Biochemistry of memory.

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UNIT: III: Biological Rhythm

Sleep, Arousal and Biological Rhythms, Concept of arousal, Physiological measures of arousal, Reticular Formation and Central arousal, biological rhythms, Functions of sleep

UNIT: IV: Biological Behavior

Emotion and Motivation, Anxiety, stress and arousal, Emotion – Central and Peripheral mechanisms, Physiology of Hunger and Thirst, Homeostasis, Obesity and Anorexia.

UNIT: V: Hormonal Basis of Behavior

Endocrine System: Structure, Functions and abnormalities of major glands: Thyroid, Adrenal, Gonads, Pituitary, Pancreas and Pineal gland, function of hormones in regulation of human behavior.

Suggested Readings:

1. Carducci, B. J. (2009). The psychology of personality: Viewpoints, research & application. Hong Kong: Wiley-Blackwell.
2. Ciccarelli, S. K., & Meyer, G. E. (2010). Psychology: South Asian edition. New Delhi, India: Pearson Education.
3. Cornelissen, R. M. M., Misra, G., & Varma, S. (Eds.) (2011). Foundations of Indian psychology—Theories and concepts (Vol. 1). New Delhi, India: Pearson.
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