

SARDAR PATEL UNIVERSITY
Programme: BA (Psychology)
Semester: VI
Syllabus with effect from: December 2013

Paper Code: UA06CPSY22	Total Credits: 3
Title Of Paper: Biological Bases of Behaviour - 2	

Unit	Description in detail	Weightage (%)
1	Neuron: Definition of neuron Structure of neuron, types of neuron (by structure and function) Nerve impulse, Nature of Nerve impulse, all or none theory, Synapse	
2	Sensory Processes I: Vision Vision: Neurophysiology of vision,(visual Stimulus) photo-chemistry of Retina, Structure and Function of Retina,(Cons & Rods, Fovea, Blind spot) Optic Chiasm, colour vision, colour Mixture, colour contrast Theories of colour contrast , colour zones of the Retina, Visual Adaptation,(Dark Adaptation, Light Adaptation), Theories of colour vision, Purkinje phenomena, (Defect of Vision) Visual diseases: (Hyperopia, Myopia, Astigmatism, Squint Eye, Colour Blindness,) day vision and Twilight, Types of colour Blindness, Tests of colour Blindness	
3	Sensory Processes II: Audition Audition: Neurophysiology of audition,(Auditory Mechanism) Stimulus of sound, auditory disease: Abnormal hearing, Theories of audition	
4	Sensory Processes III: Gustatory, Olfaction, Cutaneous Gustatory: (Taste) Neurophysiology of gustatory, Stimulus, Adaptation of Gustatory, types of gustatory, gustatory Acuity, Olfaction: Neurophysiology of olfaction, Stimulus, Adaptation of Olfaction, types of olfaction, olfactory Acuity, technique of olfactory Measurement Cutaneous: Cutaneous, types of Cutaneous	

Basic Text & Reference Books:

- Miller, Kenneth & Levine Joseph (2000). Biology. Prentice Hall , Massachusetta .
- Baron, Robert(1999)- Psychology. Prentice -Hall of India Private Limited, New Delhi.
- Greenfield Susan (1996) - The Human mind explained . Cassell Publishers Limited, London.
- Plomin Rolert (1994) - Genetics and experience SAGE, New Delhi
- M.A.Wenger Physiological Psychology
- R Campbell Biology of man
- F.L. Ruch Physiology and Life

