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(FYUGP)

(1st Semester)

PSYCHOLOGY

(MAJOR)

Paper Code : C-PSY-02

(Biopsychology)

Full Marks : 75

Pass Marks : 40%

Time : 3 hours

*The figures in the margin indicate full marks
for the questions*

1. (a) Explain the historical development of biopsychology as a scientific discipline. What are the major divisions of biopsychology? 5+10=15

Or

- (b) Discuss the various methods used to record psychophysiological activity in humans. 15

2. (a) Explain the structure and functions of the brain with the help of a diagram. 15

Or

- (b) What is hemispheric specialization? Discuss split-brain research in understanding of lateralization of brain functions. 3+12=15

3. (a) Describe the structure of a neuron with the help of diagram. Classify the different types of neurons with its functions. 7+8=15

Or

- (b) Explain the processes involved in conduction of nerve impulses and transmission across synapses. 15

4. (a) What are neurotransmitters? Discuss the role of monoamine neurotransmitters in regulating mood, motivation and behaviour. 3+12=15

Or

- (b) How do irregularities in neurotransmitter activity affect behaviour and psychological disorders? Explain with examples any two specific neurotransmitters and related disorders. 7+8=15

5. (a) Explain the role of adrenal gland along with its structure. Highlight the major disorders associated with adrenal dysfunction. 7+8=15

Or

- (b) Discuss the functions of pancreas and gonads in the endocrine system. Explain the disorders caused by their imbalances. 6+9=15

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