

B.Sc. DEGREE EXAMINATION, APRIL 2020
I Year I Semester
Biological Basis of Behaviour I

Time : 3 Hours

Max.marks :75

Section A ($10 \times 2 = 20$) Marks

Answer any **TEN** questions

1. Define Bio Psychology.
2. Write a short note on Cognitive neuroscience.
3. What is a synapse?
4. What are fissures in the human brain?
5. Write a short note on homeostasis.
6. What are neurotransmitters?
7. Write a short note on sham rage.
8. What are defensive behaviours?
9. Write a short note on Korsakoffs syndrome.
10. Write a short note on reference memory.
11. Write a short note on afferent and efferent nerves.
12. Write a short note on refractory period.

Section B ($5 \times 5 = 25$) Marks

Answer any **FIVE** questions

13. What are the ethical issues involved in conducting research with animals?
14. Elucidate - Blood brain barrier.
15. Synaptic transmission - Explain.
16. Discuss the relationship between aggression and testosterone.
17. Discuss the process of storing memories in cerebellum and stratum.
18. Discuss the major divisions of the nervous system.
19. Explain any three divisions of Bio Psychology.

Section C ($3 \times 10 = 30$) Marks

Answer any **THREE** questions

20. Explain in detail the research methods in Biopsychology.
21. Draw a neat labelled diagram of neurons explaining its external and internal structure.
22. With a diagrammatic representation, explain the process of action potential in neuron.
23. Explain the effect of stress on immune function of the human body.
24. What is long term potential? Explain .

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