Or

4. Discuss the functional significance of cell volume regulatory system in vertebrates. 10

Unit-III

5. Write short notes on : 5+5=10

(a) Bioelectrogenesis in fishes

(b) Bioluminescence in fishes

Or

6. In details discuss the osmoregulation in freshwater, warning and terrestrial environment. 10

Unit-IV

7. In details discuss the various applications of computers in biological sciences. 10

Or

8. What is meant by Windows Operating System? Cite examples. How many window operating systems are there and what are their functions? Discuss in details. 10

Unit-V

9. What is meant by Google sites and its uses? How search sites are important? Describe two best search sites in details. 10

Or

10. Who started the human genome project? What were its main goal and what was its impact on human health and diseases? 10

★★★

UG (CBCS) EVEN SEMESTER EXAMINATION, 2023

EDUCATION (B.Sc. B.Ed.)

ZOOLOGY (HONOURS)

6th Semester

Course No. : BSZH - 602

(Physiology and Bioinformatics)

Full Marks : 50

Pass Marks : 20

Time : 2 hours

The figures in the margin indicate full marks for the questions

(Answer any five questions taking one from each unit)

Unit-I

1. What part of nervous system controls stress? What are the signs and symptoms of stress? How stress can be managed and prevented? 10

Or

2. Explain the role of adrenal in resisting stress and its coordination in managing and preventing stress. 10

Unit-II

3. Differentiate between : 5+5=10

(a) Acclimation and Acclimatiyation

(b) Osmotic stress and Ionic stress

(Turn Over)