5. In brief describe the working principle of pH meter, colorimeter and NMR. Also cite their uses in biology. 10

Or

6. In brief describe the working principle of ultracentrifuge, chromatography and electron microscope. Also cite their uses in biology. 10

7. Describe in details the various scope of animal cell and tissue culture along with their advantages and disadvantages. 10

Or

8. What is meant by culture and culture media? In details write the procedure of large scale cell culture. 10

9. Differentiate between mean, median and mode. Write a short note on standard deviation. 5+5=10

Or

10. Describe how correlations and regressins are used in Biostatistics? 10

★★★

UG (CBCS) EVEN SEMESTER EXAMINATION, 2024

EDUCATION
(B.Sc. B.Ed.)

4th Semester

Course No. : BSZH – 401

(Physiology, Endocrinology, Biotechniques & Biostatistics)

Full Marks : 50
Pass Marks : 20

Time : 2 hours

The figures in the margin indicate full marks for the questions

(*Answer five questions*)

1. Describe the different types of sense organs in vertebrates in details. 10

Or

2. In details discuss the biochemical mechanism of synaptic trans mission and role of neuro-transmitters in vertebrates. 5+5=10

3. In details discuss the structure and histological functions of thyroid and parathyroid glands. 5+5=10

Or

4. Discuss the various types, functions and disorders of neurohormones. 10

(Turn Over)