precautions should be taken while performing gel electrophoresis? 6+4=10

7. What is meant by culture cells and cell lines? How cell lines can be developed in laboratory and what is the procedure for maintaining them? 2+8=10

Or

8. What is tissue culture? What type of laboratory facilities are needed for them. 10

9. Write a detailed note on : 5x2=10

(a) Standard error

(b) Standard deviation

Or

10. Write a detailed note on : 5x2=10

(a) Correlation

(b) Regressiion

★★★

UG (CBCS) Even Semester Examination, May 2025

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. In details describe the structure and various functions of neurons and nerve fibres. 10

Or

2. In details describe the ultra structure, mechanism and muscle twitch of skeletal muscle. 10

3. Describe the structure histology and functions of pitiutary gland. 10

Or

4. Describe the transportation and mechanism of hormone action in details. 10

5. Differentiate between compound and phase contrast microscope. Write the various functions and uses of electron microscopy. 5+5=10

Or

6. Write principle and uses of Gel Electrophoresis. What

(Turn Over)