QP CODE: 22103394

22103394

Reg No : .....

Name : .....

B.Sc DEGREE (CBCS) REGULAR / REAPPEARANCE EXAMINATIONS, NOVEMBER 2022

Fifth Semester

B.Sc Biotechnology Model III

CORE COURSE - BT5CRT14 - ANIMAL BIOTECHNOLOGY

2017 Admission Onwards

E9DE9771

Time: 3 Hours Max. Marks : 60

Part A

*Answer any **ten** questions.*

*Each question carries **1** mark.*

1. Write down the measures used to maintain asceptic condition.
2. What is LAF?
3. What is plating efficiency?
4. What is the main function of hormones in media?
5. Name a continuous cell line culture.
6. Established cell line.
7. Passage number.
8. Explain the term 'cell differentiation'.
9. Fluidised bed culture.
10. What is vaccine?
11. What is a trangenic cow?
12. SCID.

(10×1=10)

Part B

*Answer any **six** questions.*

*Each question carries **5** marks.*

13. Why did Ross Harrison chose frog as his source for tissue culture works?

14. Briefly write down the routes of contamination.

15. How are plasma clots prepared in laboratory conditions?

16. Write a note on BSS.

17. How animal cell lines are characterised? Explain.

18. Write a note on plasma clot.

19. Write a short note on insect and virus culture.

20. Write a short note on applications of monoclonal antibody.

21. Explain the production and importance of insulin.

(6×5=30)

Part C

*Answer any **two** questions.*

*Each question carries **10** marks.*

22. Write an essay on the important growth factors and its role in cell culture medium.

23. Explain primary cell culture and describe mechanical and enzymatic disaggregation of tissue.

24. Write an essay on suspension cultures and immobilized cultures.

25. Describe the contribution of animal cell culture for medical and cancer research?

(2×10=20)