2022/TDC (CBCS)/EVEN/SEM/ ZOOSEC–401T/092

TDC (CBCS) Even Semester Exam., 2022

ZOOLOGY

(4th Semester)

Course No. : ZOOSEC–401T

(Medical Diagnostics)

Full Marks : 50

Pass Marks : 20

Time : 3 hours

The figures in the margin indicate full marks for the questions

SECTION—A

Answer any *fifteen* of the following questions :

1×15=15

1. What is blood?

2. What is the approximate percentage of water present in RBC?

3. What is DLC?

4. What is blood smear?

(Turn Over)

5. What is urine?

6. What do you mean by urine culture?

7. Why is Benedict's test performed?

8. What is ketonuria?

9. Define diabetes.

10. What is diabetes ketoacidosis?

11. Why is electrocardiogram performed?

12. What is CT scan or MRI?

13. Name the causative organism of tuberculosis.

14. What is tuberculin?

15. What is liver biopsy?

16. What is BCG vaccine?

17. What is metastasis?

18. What do you mean by radiography?

19. What do you mean by malignant tumour?

20. What are the main sites of melanoma?

SECTION—B

Answer any *five* questions of the following : 2×5=10

21. What is anticoagulant? Name the anticoagulant present in human blood.

22. What do you mean by ESR? What is the purpose of estimating ESR?

23. What is the normal composition of human urine?

24. Write any two objectives of urine analysis.

25. What are the symptoms of Type–I diabetes?

26. Write the utility of glucometer in monitoring and control of diabetes.

27. Why is liver function test done for diagnosing hepatitis?

(4)

28. What are the symptoms of cutaneous tuberculosis?

29. Distinguish between benign and malignant tumours.

30. State any two uses of PET scan.

SECTION—C

Answer any *five* questions of the following : 5×5=25

31. Write a note on principle and procedure of preparation of blood smear. 2+3=5

32. Describe the procedure and principle of platelet count using haemocytometer. 3+2=5

33. What is the normal colour of urine? Explain any four characteristics of urine. 1+4=5

34. Describe the procedure for the collection of urine. What is rapid urine test? 4+1=5

35. What do you mean by Type–I diabetes? State the difference between diabetes mellitus and diabetes insipidus. 1+4=5

(Continued)

(5)

36. Distinguish between primary and secondary hypertensions. State any three causes of secondary hypertension. 2+3=5

37. Describe the common causes of tuberculosis with suitable illustrations.

38. Discuss the different diagnostic tests for diagnosing hepatitis.

39. Describe the different types of cancer with suitable illustration.

40. Describe the procedure of magnetic resonance imaging.

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