

TDC (CBCS) Even Semester Exam., 2023

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* questions :

1×15=15

- 1. What is medical diagnostics?**
- 2. What is the function of blood platelets?**
- 3. What is haemocytometer?**
- 4. What is ESR?**
- 5. What is the specific gravity of normal human urine?**

6. What is haematuria?
7. Name the hormone present in the urine of pregnant women.
8. What is the utility of urine culture?
9. What is diabetes mellitus?
10. What do you mean by hypertension?
11. What is the function of glucometer?
12. What is hypoglycemia?
13. Define tuberculosis.
14. What is the full form of BCG vaccine?
15. What is hepatitis?
16. What do you mean by hepatocellular carcinoma?
17. What is leukemia?
18. What is biopsy? Why is it done?
19. What is bone fracture?
20. What is the full form of PET?

SECTION—B

Answer any *five* questions :

2×5=10

21. Write any four importances of medical diagnostics.
22. What is Leishman's stain? What is its composition?
23. What is rapid urine test? How is it performed?
24. Why is colour of urine straw yellow to amber?
25. State any four causes of type-I diabetes.
26. What is blood pressure? State its causes.
27. What is tuberculin skin test? Why is it done?
28. Write the various causes of hepatitis.
29. Write a note on metastasis.
30. Write any four applications of MRI.

SECTION—C

Answer any *five* questions :

5×5=25

31. Describe the principle and procedure of DLC using Leishman's stain.

- 32.** Describe the principle and procedure adopted for (examination) estimation of PCV of human blood sample.
- 33.** What are the objectives of urine analysis? Explain the various diagnostic tests for urine analysis. 2+3=5
- 34.** What is urine culture? Write a note on the methods of urine culture. State its application. 1+3+1=5
- 35.** What is type-I diabetes? Explain the various tests for the diagnosis of type-I diabetes. 1+4=5
- 36.** Describe the causes of both primary and secondary hypertension. 3+3=6
- 37.** Discuss the different ways of prevention of tuberculosis.
- 38.** Explain the various preventive measures for the different types of hepatitis.
- 39.** Describe the various tests for the detection of metastasis.
- 40.** Describe the different types of medical imaging techniques with suitable illustrations.

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2023/TDC(CBCS)/EVEN/SEM/
ZOOSEC-401T/261