



K22U 2328

Reg. No. :

Name :

V Semester B.Sc. Degree (CBCSS – OBE – Regular/Supplementary/
Improvement) Examination, November 2022

(2019 Admission Onwards)

CORE COURSE IN MICROBIOLOGY

5B10 MCB : Viral, Fungal and Parasitic Diseases

Time : 3 Hours

Max. Marks : 40

Instruction : Draw diagrams *wherever* necessary.

SECTION – A

Answer **all** questions in **one** or **two** sentences. **Each** question carries **1** mark.

1. What are the features differentiating viruses from prokaryotes ?
2. What is poliomyelitis ?
3. How dengue fever transmitted person-to-person ?
4. Define opportunistic infection.
5. What is kala-azar ?
6. What is zidovudine ?

(6×1=6)

SECTION – B

Write briefly on **any six** of the following. **Each** question carries **2** marks.

7. Application of tissue culture for virus cultivation.
8. Congenital rubella syndrome.
9. Nipah virus.
10. Aspergilloma.

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11. Morphological features of *Entamoeba histolytica*.
12. Symptoms of rabies.
13. Use of thick and thin blood smear preparation for malaria diagnosis.
14. SARS.

(6×2=12)

SECTION – C

Write short essays on **any four** of the following. **Each** question carries **3** marks.

15. Methods for cultivation of animal viruses.
16. Morphological features of HIV.
17. Dengue fever.
18. Dermatophytes.
19. Life cycle of malarial parasite.
20. Classification of hepatitis viruses.

(4×3=12)

SECTION – D

Write essays on **any two** of the following. **Each** question carries **5** marks.

21. Describe the morphological characteristics of Influenza virus. Discuss the antigenic characteristics, pathogenicity and laboratory diagnosis of influenza infections.
22. Write a note on oncogenic viruses. Discuss the mechanism of viral oncogenesis.
23. Describe the morphological features of *Cryptococcus neoformans*. Add a note on pathogenicity, laboratory diagnosis and treatment of Cryptococcosis.
24. Describe the life cycle of *Wucheraria bancroftii*. Write note on clinical features and laboratory diagnosis of filariasis.

(2×5=10)
