



K18U 1485

Reg. No.:

Name:

V Semester B.Sc. Degree (CBCSS-Reg./Sup./Imp.)

Examination, November 2018

(2014 Admn. Onwards)

CORE COURSE IN MICROBIOLOGY

5B 12 MCB : Virology, Mycology and Parasitology

Time : Three Hours

Max. Marks : 40

Instruction : Draw diagrams wherever necessary.

SECTION – A

Answer **all** questions. **Each** question carries **1** mark.

1. Tzanck cells are a characteristic feature of _____ viral infection.
2. The mode of transmission of infectious hepatitis is _____.
3. Vector for transmission of filariasis is _____.
4. Negri bodies are present in tissues infected with _____ virus.

(4×1=4 Marks)

SECTION – B

Answer **very briefly** on **any seven** of the following. **Each** question carries **2** marks.

5. Aspergilloma.
6. Congenital toxoplasmosis.
7. *Aedes aegypti*.
8. Serum hepatitis.
9. *Penicillium marneffii*.
10. Japanese encephalitis.
11. Laboratory diagnosis of amoebic dysentery.

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12. HAART.
13. *Wucheraria bancrofti*.
14. Hyaline fungi.

(7×2=14 Marks)

SECTION – C

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

15. Oncogenic viruses.
16. Laboratory diagnosis of superficial fungal infections.
17. African and American sleeping sickness.
18. Agents causing systemic mycoses.
19. Characteristics of mycotoxicoses.
20. Egg inoculation methods for viral cultivation.

(4×3=12 Marks)

SECTION – D

Answer **any two** of the following. **Each** question carries **5** marks.

21. Discuss the etiology, pathogenesis and diagnosis of chickungunya.
22. Describe the pathogenesis and laboratory diagnosis of AIDS.
23. What are the characteristic features of malaria ? Describe the life cycle of malarial parasite.
24. Discuss the agents used for antiviral therapy.

(2×5=10 Marks)