



K17U 1705

Reg. No. :

Name :

V Semester B.Sc. Degree (CBCSS – Reg./Sup./Imp.)
Examination, November 2017
(2014 Admn. Onwards)
CORE COURSE IN MICROBIOLOGY
5B12 MCB : Virology, Mycology and Parasitology

Time : 3 Hours

Max. Marks : 40

Instruction : Draw diagrams wherever necessary.

SECTION – A

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

1. The drug of choice for treatment of malaria is Quinine
2. Fungal infection of the external ear is called Otomycosis
3. The vector of Kyasanur forest disease causing virus is Ticks
4. Live attenuated vaccine orally administered to prevent polio is SADIN/OPV

(4×1=4)

SECTION – B

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

5. Von Magnus phenomenon ✓
6. Differentiate antigenic drift and antigenic shift
7. Koplik's spot
8. Western blotting
9. Dermatophytes
10. Aflatoxin
11. *Tinea versicolor*
12. Clinical features of malaria
13. Chaga's disease
14. Morphology of *Giardiatrophozoite*.

(7×2=14)

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SECTION - C

Answer any four of the following. Each question carries 3 marks.

- 15. ✓ Oncogenic viruses
- 16. ✓ Morphology of Rhabdovirus
- 17. ✓ Antifungal agents
- 18. ✓ Life cycle of *Entamoeba histolytica*
- 19. ✓ Aspergilloses
- 20. ✓ Chikungunya.

(4×3=12)

SECTION - D

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

- 21. ✓ Write a note on morphology and life cycle of *Wuchereria bancrofti*. Discuss the pathogenesis and clinical features of filariasis.
- 22. ✓ Discuss the systemic mycoses in human beings. Add a note on diagnosis of systemic mycoses.
- 23. ✓ Write briefly about the hepatitis viruses. Discuss etiology, pathogenesis and detection of serum hepatitis.
- 24. ✓ Write a note on viral replication in host cells. Describe various methods used for cultivation of animal viruses.

(2×5=10)

2+3
(1+1+1)