

K16U 1723



Reg. No. :

Name :

V Semester B.Sc. Degree (CBCSS – 2014 Admn. – Regular)
Examination, November 2016

CORE COURSE IN MICROBIOLOGY
5B12 MCB : Virology, Mycology and Parasitology

Max. Marks : 40

Time : 3 Hours

Instruction : Draw diagrams *wherever* necessary.

SECTION – A

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

1. The Indian vector of *Leishmania donovani* is
2. The device used to diagnose ectothrix infection is
3. The main vector of Japanese encephalitis causing virus is _____ mosquito.
4. Azidothymidine is a widely used drug for treatment of _____ infection. (4x1=4)

SECTION – B

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

5. Sabin vaccine.
6. H1N1 virus.
7. Mumps.
8. Antirabic vaccines.
9. Piedra.
10. Mycetoma.

K16U 1723



11. Aspergilloma.
12. Life cycle of *Toxoplasma gondii*.
13. Kala-azar.
14. Amoebiasis.

(7×2=14)

SECTION – C

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

15. Antifungal agents.
16. Laboratory diagnosis of AIDS.
17. Antiviral agents.
18. Sleeping sickness.
19. Filariasis.
20. Dengue fever.

(4×3=12)

SECTION – D

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

21. Discuss the life cycle of malarial parasite. Describe the symptoms and laboratory diagnosis of malaria.
22. Discuss the morphology of dermatophytes. Write a note on diagnosis of dermatophytoses.
23. Write a note on oncogenic viruses. Discuss the mechanism of virus induced oncogenesis.
24. Describe the structural forms of animal viruses. Add a note on replication of animal virus in host cells.

(2×5=10)