



Reg. No. :

Name :

**V Semester B.Sc. Degree (CBCSS – Reg./Sup./Imp.)
Examination, November 2020
(2014 Admn. Onwards)
Core Course in Microbiology
5B 12 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 fungal enzyme inhibited by azoles is _____
2. The 'Chagas disease' is caused by _____
3. The Koplik's spot on buccal mucosa is a characteristic feature of _____ infection.
4. The Lipschutz intranuclear inclusion bodies are formed by _____ viruses. (4×1=4)

SECTION – B

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

5. *Trichomonas vaginalis*.
6. *Hisoplasma capsulatum*.
7. Infectious hepatitis.
8. Lab diagnosis of HIV infection.

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9. Mode of action of Azoles.
10. Cytopathic effects.
11. Clinical features of Dengue fever.
12. Human papilloma virus.
13. Rhinosporidiosis.
14. Diagnostic tests for filariasis. (7×2=14)

SECTION – C

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

15. Diagnosis of dermatophytosis.
16. Leishmaniasis.
17. Life cycle of *Wucheraria bancrofti*.
18. Viral oncogenesis.
19. Mycotoxins.
20. Pathogenesis of HIV infection. (4×3=12)

SECTION – D

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

21. Discuss the characteristics of *Plasmodium* sp. Describe the pathogenesis of malaria.
22. Define opportunistic mycoses. Write a note on pathogenesis and spectrum of diseases caused by *Penicillium*.
23. Describe structure of influenza virus. Write a note on pathogenesis of influenza.
24. Describe the classification of animal viruses. (2×5=10)