



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.



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)
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