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CCFUP/5th Sem/BMLT/25(NEP)

2025

5th Semester Examination (CCFUP : NEP)

BMLT

Paper : MJ 8-T (Single Core Major)

[Mycology and Virology]

Full Marks : 40

Time : Two Hours

The figures in the margin indicate full marks.

*Candidates are required to give their answers
in their own words as far as practicable.*

Group - A

Answer any *five* questions : $2 \times 5 = 10$

1. What is black fungus?
2. Define virion.
3. Differentiate between yeast and mold.
4. What is Rose gardener's disease?
5. Why is antigenic shift more dangerous compared to antigenic drift?



(2)

6. What do you understand by (+) sense and (-) sense RNA found in animal viruses?

7. What is dengue hemorrhagic fever?

8. What is fungal dimorphism?

Group - B

Answer any *four* questions : $5 \times 4 = 20$

9. Write the differences between orthomyxovirus and paramyxovirus. Which virus forms syncytia in infected cells? 4+1

10. Define dermatomycoses and classify dermatomycosis. Name the causative agent of athlete's foot disease. (2+2)+1

11. Briefly write about the HAART treatment.

12. What is phaeohyphomycosis? Mention two clinical features. Write the name of one dematiaceous fungus. 2+2+1

13. Define anti-fungal agents. Give example of each fungistatic and fungicidal drugs. State the mode of action of Amphotericin B. 1+2+2

14. Define SARS. Write modes of transmission and diagnostic identifying methods of SARS virus. 2+(1+2)



(3)

Group - C

Answer any *one* question : $10 \times 1 = 10$

15. What is herpes labialis? State the route of entry of different Herpes virus. Discuss the transmission of polio virus infection. What is viral latency? $2+4+2+2$
16. Discuss the causative agent, symptoms, diagnostic methods and treatment of histoplasmosis. $1+3+4+2$
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