

## B.Sc Sem.-6 (Rep) Examination

CC 308

## Microbiology

September-2024

[Max. Marks : 70]

Time : 2-30 Hours]

**Instructions:**

1. All questions are compulsory.
2. Figures on the right indicates marks.
3. Mention correct question number against the answer.
4. Draw figures wherever necessary.

Q.1 Enlist general characteristics of virus and describe its structure in (14) detail.

OR

Q.1 (A) Write a note on prions. (07)

(B) Explain cryptogram system of virus classification. (07)

Q.2 Discuss the establishment of lysogeny in lambda phage. (14)

OR

Q.2 (A) Describe the replication of plant virus. (07)

(B) Write a note on replication of HIV virus. (07)

Q.3 Write a note on cultivation media and methods for fungal growth. (14)

OR

Q.3 (A) Describe the general characteristics of fungi. (07)

(B) Discuss the sexual reproduction in fungi. (07)

Q.4 Discuss the fungal classification in detail. (14)

OR

Q.4 (A) Describe basidiomycotina. (07)

(B) Discuss ascomycotina. (07)

Q.5 Give short and specific answers in 1-2 lines only (any seven). (14)

1. What is HeLa cell line?
2. Differentiate between viroids and virusoids.
3. Enlist the different regions of embryonated egg for viral cultivation.
4. Define: Temperate phage. Give one example.
5. Define: Burst size.
6. Define: Eclipse period.
7. Mention the role of haustoria in fungi.
8. Name two poisonous fungi.
9. What is eucarpic fungi? Give one example.
10. Give 2 economic importance of Phycomycetes.
11. Give 2 economic importance of Myxomycetes.
12. Give 2 economic importance of Deutromycetes.

