

# **PSG COLLEGE OF ARTS & SCIENCE (AUTONOMOUS)**

**BSc DEGREE EXAMINATION MAY 2022**  
**(Sixth Semester)**

## **Branch – MICROBIOLOGY**

## VIROLOGY

**Maximum: 75 Marks**

Time: Three Hours

### **SECTION-A (10 Marks)**

## **Answer ALL questions**

**ALL** questions carry **EQUAL** marks  $(10 \times 1 = 10)$



### **SECTION - B (35 Marks)**

**Answer ALL Questions**

**ALL Questions Carry EQUAL Marks ( $5 \times 7 = 35$ )**

11. a) What are characters of viruses?

OR

- b) Explain about the viral capsids?

**Cont.**

12. a) Write a short note on viral cultivation method?

OR

b) Describe the viral haemagglutination assay.

13. a) Sketch the phi X 174.

OR

b) Describe the T4phage in detail.

14. a) Write short on cell damage.

OR

b) How does transcription process carryout n RNA viruses.

15 a).Explain in details about the plant vruses?

OR

b) Write short notes on viron morphology?

**SECTION - C (30 Marks)**

Answer any THREE Questions

ALL Questions Carry EQUAL Marks ( $3 \times 10 = 30$ )

16. Enumerate the Viral envelop and viral enzymes?

17. Discuss in details about the viral purification methods.

18. Elaborate the adsorption, penetration synthesis and assembly of phages?

19. Outline the reproduction of animal viruses.

20. Highlight the transmission of plant viruses.

Z-Z-Z

END