

PSMBT-14 - Virology Paper-II

P. Pages : 1

Time : Three Hours



GUG/W/18/11409

Max. Marks : 80

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- Notes : 1. All questions are compulsory and carry equal marks.
2. Draw the diagrams wherever necessary.

1. Discuss in detail nomenclature and classification of viruses. 16

OR

Write note on:

a) Enveloped and non enveloped viruses. 8

b) Evolution of viruses. 8

2. Discuss in detail methods for purification of viruses. 16

OR

Write note on:

a) End point method. 8

b) Transgenic systems. 8

3. Describe structure and life cycle of cauliflower mosaic virus. 16

OR

Discuss in detail lysogenic cycle of Lambda phage. 16

4. Describe structure, pathogenicity and diagnosis of Pox virus. 16

OR

Discuss in detail replicative strategies employed by RNA viruses. 16

5. Write short note on:

a) Principle of virology. 4

b) ELISA 4

c) Applications of bacteriophage. 4

d) Antiviral drugs. 4
