

Online Assessment (Even Sem/Part-I/Part-II Examinations 2019 - 2020)

Course Name - Virology

Course Code - BMBC202

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Answer all the questions. Each question carry one mark.

9. 1. Both viroids and virusoids have a(n) _____ genome.

Mark only one oval.

- DNA
- RNA
- both DNA and RNA
- None of these

10. 2. The causative agent of spindle tuber disease in potato is _____.

Mark only one oval.

- Viroid
- Prion
- Virusoid
- Plant virus

11. 3. The structural component responsible for the cell-cell fusion in HIV infection is

Mark only one oval.

- gp 41
- gp 120
- p21
- p53

12. 4. Protein sub-units presenting as projecting spikes on the surface of the envelope are called:

Mark only one oval.

- Capsomeres
- Capsid
- Nuceocapsid
- Peplomers

13. 5. Baltimore classified viruses on the basis of:

Mark only one oval.

- Diseases caused by them
- Structure
- Replication mechanism
- Physico-chemical properties

14. 6. A virus obtains its envelope during which of the following phases?

Mark only one oval.

- attachment
- penetration
- assembly
- release

15. 7. A positive-strand RNA virus:

Mark only one oval.

- must first be converted to a mRNA before it can be translated
- can be used directly to translate viral proteins
- will be degraded by host enzymes
- is not recognized by host ribosomes

16. 8. An enzyme from HIV that can make a copy of DNA from RNA is called _____.

Mark only one oval.

- protease
- reverse transcriptase
- polymerase
- ligase

17. 9. Proto-oncogene:

Mark only one oval.

- an oncogene
- A normal gene which, when altered by mutation, becomes an oncogene
- A tumoursuppressor gene
- all of these

18. 10. For lytic viruses, _____ is a phase during a viral growth curve when the virus is not detected.

Mark only one oval.

- assembly
- penetration
- eclipse
- None of these

19. 11. What type of clinical sample is used to diagnose hepatitis B virus?

Mark only one oval.

- Liver biopsy
- Faeces
- Saliva
- Blood

20. 12. Nomenclature of Viruses was done:

Mark only one oval.

- Named after the diseases
- Host and signs of disease
- Name after the places where the disease first reported
- All of these

21. 13. Clathrin-mediated endocytosis is a:

Mark only one oval.

- Phagocytic pathway
- Pinocytic pathway
- Caveolin-mediated pathway
- All of these

22. 14. Which of the following is NOT a cytopathic effect?

Mark only one oval.

- transformation
- cell fusion
- mononucleated cell
- inclusion bodies

23. 15. Cell abnormalities resulting from a viral infection are called _____.

Mark only one oval.

- Hemagglutination
- cytopathic effects
- tumour
- None of these

24. 16. Rhinoviruses are:

Mark only one oval.

- nonenveloped RNA viruses
- enveloped RNA viruses
- nonenveloped DNA viruses
- enveloped DNA viruses

25. 17. T-shaped viruses can be identified by their:

Mark only one oval.

- Icosahedral structure
- Tubular shape
- Tadpole shape
- Spherical shape

26. 18. T2 bacteriophage has

Mark only one oval.

- dsDNA
- dsRNA
- ssDNA
- ssRNA

27. 19. Molecules produced by virus-infected cells to communicate to noninfected cells the presence of a virus?

Mark only one oval.

- antigen
- interleukin
- interferon
- complement

28. 20. Which is incorrect?

Mark only one oval.

- Most plant viruses are RNA virus
- TMV is a dsRNA virus
- T2 bacteriophage is a dsDNA virus
- Both (TMV is a dsRNA virus) and (T2 bacteriophage is a dsDNA virus)

29. 21. Cytotoxic T cells can be activated via which of the following?

Mark only one oval.

- By identifying virus peptides presented by antibodies
- By reacting with budding viruses
- By releasing complement
- By identifying virus peptides presented by MHC-1

30. 22. The special feature of adaptive immunity is:

Mark only one oval.

- Ability to distinguish self and non self
- Ability to distinguish viruses and bacteria
- Speedy response to the foreign particle/protein
- None of these

31. 23. Viruses require _____ for growth.

Mark only one oval.

- Living cells
- animals
- plants
- bacteria

32. 24. Edward Jenner began inoculating humans with materials from _____ lesions.

Mark only one oval.

- Cowpox
- Smallpox
- Chickenpox
- None of these

33. 25. Needs host cells to reproduce.

Mark only one oval.

- fungus
- virus
- bacteria
- algae

34. 26. What happens in the lysogenic cycle?

Mark only one oval.

- Virus goes in and leaves the host cell
- Virus quickly kills the host cell
- Virus inject the nucleic acid into the host cell, and the nucleic acid integrates into the host cell DNA, and stay dormant for a long time
- Bacteria injects DNA into a host cell

35. 27. Viroids are unusual particles because they:

Mark only one oval.

- Contain only genetic material
- Can cause diseases in plants
- Have no capsid or envelop
- Only visible through electron microscope

36. 28. Virions are:

Mark only one oval.

- Genetic materials of the viruses
- Antiviral agent
- Complete virus
- capsid

37. 29. RNA viruses:

Mark only one oval.

- Picornaviruses
- Rotaviruses
- Both Picornaviruses and Rotaviruses
- None of these

38. 30. Which one is false for Influenza A Virus?

Mark only one oval.

- May undergo antigenic shift and antigenic drift
 - May cause pandemics
 - Vaccination confers lifelong protection
 - Respond to neuraminidase inhibitors
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