

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

Course Name - Medical Virology & Parasitology

Course Code - MMB205

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Answer all the questions. Each question carry one mark.

9. 1. In agglutination reaction, the antigen is _____.

Mark only one oval.

- Soluble molecule
- Whole cell
- Protein
- Both soluble molecule and whole cell

10. 2. The sites for viral cultivation using an embryonated egg:

Mark only one oval.

- chorioallantoic membrane, the amniotic cavity, and the yolk sac
- chorioallantoic membrane, the amniotic cavity, and the embryo
- chorioallantoic membrane and the amniotic cavity
- amniotic cavity and the yolk sac

11. 3. Which of the following is NOT a cytopathic effect?

Mark only one oval.

- transformation
- cell fusion
- mononucleated cell
- inclusion bodies

12. 4. TCID50:

Mark only one oval.

- Quantal Assay
- Plaque assay
- Immunoblotting
- None of these

13. 5. There are 57 serotypes of adenovirus currently recognized. Which has the most important clinical impact of:

Mark only one oval.

- eye infection
- respiratory tract infections
- diarrhoea
- hemorrhagic cystitis

14. 6. The function of Neuraminidase is:

Mark only one oval.

- Release of virus
- Assembly of virus
- Attachment of virus to RBC
- None of these

15. 7. What is rubella syndrome?

Mark only one oval.

- A description of the 3 day rash of German measles
- The teratogenic lesions of cataracts, deafness, mental retardation and microcephaly in the foetus
- Combination of rash and post infection encephalitis
- Side effects of the MMR vaccine

16. 8. Which of the following methods can be successfully used for the cultivation of a virus?

Mark only one oval.

- Inoculation into eggs
- Inoculation into embryonated eggs
- Inoculation into human volunteers
- All of these

17. 9. Cultivation of animal virus is important for:

Mark only one oval.

- identification and diagnosis of pathogenic viruses in clinical specimens
- production of vaccines
- basic research studies
- All of these

18. 10. Examples of continuous cell lines used for the cultivation of viruses:

Mark only one oval.

- HeLa
- Hep-2
- KB
- All of these

19. 11. What type of virus is influenza?

Mark only one oval.

- Types A, B, C and D
- Type C and D
- Types A and B
- None of these

20. 12. During viral inoculation in embryonated eggs which of the following is more important?

Mark only one oval.

- Candling of eggs
- Wiping of egg shell with spirit
- Drawing appropriate amount of inoculums
- Punching of egg shell membrane

21. 13. Novel Coronavirus was discovered in:

Mark only one oval.

- Qatar and Saudi Arabia
- China
- India
- Russia

22. 14. Main types of cytopathic effect (CPE):

Mark only one oval.

- Rounding of cells
- Cell necrosis and lysis
- Cell lysis
- All of these

23. 15. In mature virus particle, the glycoproteins often appear as projecting spikes on the outer surface of the envelope which are known as:

Mark only one oval.

- O- antigens
- spike
- peplomers
- capsomers

24. 16. MERS has four special characteristics and here we have one exception - which is it?

Mark only one oval.

- Spread by faecal oral route
- Aerosol droplet transmission
- Reservoir in bats
- A conduit to humans via camels

25. 17. Quantal assays: infectivity can be carried out in:

Mark only one oval.

- animals
- eggs
- varicella
- All of these

26. 18. Mumps Virus contains:

Mark only one oval.

- F-protein
- matrix protein
- DNA
- Both F-protein and matrix protein

27. 19. Rubella virus is a

Mark only one oval.

- spherical
- hemagglutinin-containing surface projections
- positive-sense, single-stranded RNA virus
- All of these

28. 20. Viral growth and multiplication in the egg embryo are indicated by _____.

Mark only one oval.

- Cell damage
- Death of the embryo
- Formation of typical lesions
- All of these

29. 21. Which of these is a symptom of rabies in animals?

Mark only one oval.

- Choking sounds
- Agitation
- Loss of appetite
- All of these

30. 22. How many rabies viruses are known?

Mark only one oval.

- Dozens
- one only
- Eight
- Unknown

31. 23. Which of the following coronaviruses has caused thousands of deaths around the world as an 'emergent' virus?

Mark only one oval.

- MERS
- SARS
- OC43
- HKU1

32. 24. SARS is described as a zoonotic virus - what does this mean?

Mark only one oval.

- Such viruses are confined to animals
- They do not cause disease in humans
- They emerge from animals to cross the species barrier infrequently
- They cause pandemics

33. 25. Which of the following was a major discovery of molecular biology when the adenovirus replication strategy was uncovered?

Mark only one oval.

- mechanism of replication of DNA
- the function of Reverse Transcriptase
- the speed of action of viral DNA dependent DNA polymerase
- the importance and frequency of mRNA splicing

34. 26. Which of the following antigenic types of hepatitis B virus is present in the envelope?

Mark only one oval.

- HBsAg
- HBcAg
- HBeAg
- HBxAg

35. 27. Which organ does hepatitis affect?

Mark only one oval.

- Heart
- Liver
- Brain
- Kidneys

36. 28. How many forms of viral hepatitis have been found so far?

Mark only one oval.

- 3
- 4
- 5
- 8

37. 29. Which form of hepatitis can be passed on through contaminated food or water?

Mark only one oval.

- B
- C
- A and E
- All of these

38. 30. Vaccines have been developed to protect against which hepatitis viruses?

Mark only one oval.

A

D

B

A and B

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