



قائمة الاسئلة

فيروسات 2 - (MI357)- المستوى الثالث -قسم طب بيطري - النظام الدراسي :- كلية الطب البيطري - الفترة الثالثة- درجة الامتحان (50)

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- 1) herpesviruses infect
 - 1) - mammals
 - 2) - fish
 - 3) - reptiles
 - 4) all are true
- 2) Which the following Viruses that have ds DNA , iscoahedron Symmetry, Envelope
 - 1) - members of poxviridae
 - 2) members herpesviridae
 - 3) - members adenoviridae
 - 4) - all are true
- 3) Infectious Pustular Vulovovaginitis is caused by
 - 1) - Bovine herpes virus2
 - 2) - Bovine herpesvirus5
 - 3) Bovine herpes virus1
 - 4) - Bovine herpesvirus 4
- 4) Which the viruses Establish latent infections
 - 1) - members of poxviridae
 - 2) - members adenoviridae
 - 3) - members of paramyxoviridae
 - 4) members herpesviridae
- 5) Gallid herpesvirus 1 (GaHV-1) belongs to herpesviridae, Genus
 - 1) Mardivirus
 - 2) - Macavirus
 - 3) - Simplex Virus
 - 4) - Varicello virus
- 6) BOVINE HERPESVIRUS 1 has
 - 1) - one subtypes
 - 2) two subtypes
 - 3) - three subtypes
 - 4) - four subtypes
- 7) Bovine malignant catarrhal fever is caused by
 - 1) - Bovine herpes virus1
 - 2) - Bovine herpes virus2
 - 3) Alcelaphine herpesvirus1
 - 4) - Ovine herpesvirus 2
- 8) fowl paralysis or eurolymphomatosis is caused by
 - 1) - MDV serotype1
 - 2) - Gallid herpesvirus 2
 - 3) - Marek Disease virus
 - 4) all are true
- 9) the viruses that have slow growth and causes lysis of infected cells belong to
 - 1) - Alpha herpesvirinae
 - 2) Beta herpesvirinae
 - 3) - Gamma herpesvirinae
 - 4) - herpesviridae





- 10) Which The Following Viruses that have ssRNA , iscoahedron Symmetry, non Envelope
- 1) Member of picornaviridae
 - 2) members of Rhabdoviridae
 - 3) members of paramyxoviridae
 - 4) members of reoviridae
- 11) Marek's disease virus replicates in
- 1) macrophage cells
 - 2) epithelial cells
 - 3) lymphoid cells
 - 4) none of the above
- 12) Marek Disease virus causes
- 1) T-cell lymphomas and peripheral nerve enlargement
 - 2) peripheral nerve and epithelial cells enlargement
 - 3) T-cell lymphomas and epithelial cells enlargement
 - 4) all are true
- 13) Ovine herpesvirus 2 belongs to
- 1) Beta herpesvirinae
 - 2) Gamma herpesvirinae
 - 3) Alpha herpesvirinae
 - 4) herpesvirus
- 14) Ovine herpesvirus 2 that causes MCF in ovine is diagnosed by the following methods except
- 1) Eliza test
 - 2) Viral DNA detection using PCR
 - 3) Virus neutralisation
 - 4) isolation in cell cultures
- 15) Envelope of genus paramyxovirus contains
- 1) hemagglutinin (H)
 - 2) hemagglutinin (H), neuraminidase(N) and fusion proteins (F)
 - 3) hemagglutinin(H) and neuraminidase (N)
 - 4) neuraminidase(N) and fusion proteins (F)
- 16) Poxvirus infected cells produce
- 1) two types of progeny virions
 - 2) one type of progeny virions
 - 3) three types of progeny virions
 - 4) four types of progeny virions
- 17) pox viruses replicate in
- 1) nucleus of cell
 - 2) nucleus and cytoplasm of cell
 - 3) cytoplasm of cell
 - 4) all are true
- 18) Poxviruses have followed Properties except one is not correct
- 1) large ((22-450 nm x 140-260 nm)
 - 2) Enveloped, complex Symmetry
 - 3) Genome-linear, double-stranded DNA
 - 4) pleomorphic, typically brick-shaped
- 19) virions of poxviruses released by
- 1) budding
 - 2) exocytosis
 - 3) exocytosis and cell lysis





- 4) all are true
- 20) LUMPY skin virus has cross-protection with
- 1) cowpox virus and sheeppox virus
 - 2) cowpox virus and Buffalopox virus
 - 3) sheeppox virus and Goatpox virus
 - 4) all are true
- 21) Egg drop syndrome is caused by
- 1) Type I avian adenovirus
 - 2) Type III avian adenovirus
 - 3) Type II avian adenovirus
 - 4) all are true
- 22) Egg drop syndrome virus belongs to
- 1) Aviadenoviridae
 - 2) avipoxvirus
 - 3) adenoviridae
 - 4) paramyxoviridae
- 23) the following viruses can be diagnosed by Haemagglutination Inhibition (HAI) Test.....except
- 1) Newcastle disease virus
 - 2) Infectious Bronchitis Virus
 - 3) influenza disease virus
 - 4) Infectious Bursal Disease virus
- 24) Rinderpest viruses interfere with
- 1) canine distemper virus
 - 2) Rift valley fever virus
 - 3) morbilliviruses
 - 4) paramyxoviruses
- 25) the protein that is peripherally associated with membranes & nucleocapsids in paramyxoviridae is
- 1) Matrix Protein (M)
 - 2) neuraminidase
 - 3) Large protein (L)
 - 4) fusion proteins (F)
- 26) capsid of Pest des petit ruminants virus is
- 1) Spherical iscoahedron symmetry
 - 2) bullet symmetry
 - 3) complex symmetry
 - 4) helical symmetry
- 27) Strain classification of Newcastle disease virus depending on Pathogenicity tests; Chicken embryo mortality during 90 hours, is
- 1) velogenic strain
 - 2) lentogenic strain
 - 3) mesogenic strain
 - 4) high velogenic strain
- 28) Rhabdoviridae; The family contains
- 1) one genus
 - 2) two genera
 - 3) three genera
 - 4) four genera.
- 29) Which the virus causes rabies in man and animals
- 1) only Street virus





- 2) - only fixed virus
3) - street virus and fixed viruses
4) - None of the above
- 30) Rhabdoviruses have envelope with glycoprotein peplomers
1) - all viruses carry HA agglutinate goose RBCs
2) - one virus carry HA which agglutin goose RBCs
3) Some viruses carry HA which agglutin goose RBCs
4) - None of the above
- 31) the first stage of Rabies Disease; Symptoms in canines is
1) Prodromal stage
2) - furious stage
3) - dumb stage
4) - paralytic stage
- 32) Rate of multiplication of Fixed virus (rabies virus) is
1) - low
2) rapid
3) - moderate
4) - all are true
- 33) Envelope of Coronaviridae contains a variable number of viral membrane protein species, the protein which forms peplomers is
1) - Membrane protein M
2) - Nucleocapsid(N) protein
3) - Hemagglutinin-esterase (HE) protein
4) fusion protein(S)
- 34) Infectious bronchitis virus (IBV) belongs to
1) - genus Alphacoronavirus
2) - genus Betacoronavirus
3) genus Gammacoronavirus
4) - genus Coronavirus
- 35) Winter-dysenteries disease in cattle belongs
1) - Herpesviridae
2) - picornaviridae
3) - paramyxoviridae
4) coronaviridae
- 36) Coronaviridae ;The order of structural genes on the torovirus genome contains all the followed proteins..... except
1) Envelope (E) protein
2) - Spike protein (S)
3) - Hemagglutinin-esterase (HE)
4) - Nucleocapsid (N) protein
- 37) Equine coronavirus belongs to
1) - genus Alphacoronavirus
2) genus betacoronavirus
3) - genus gammacoronavirus
4) - genus Deltacoronavirus
- 38) Foot-and-mouth disease virus belongs to Family Picornaviridae
1) - Genus Parechovirus
2) - Genus Erbovirus
3) Genus Aphthovirus





- 4) - Genus Rhinovirus
- 39) the following Species are Affected with Foot and Mouth Disease virusexcept
- 1) - pigs
 - 2) - Cattle
 - 3) - sheep and goats
 - 4) equine
- 40) Foot and Mouth Disease virus has
- 1) - five distinct serotypes
 - 2) - six distinct serotypes
 - 3) seven distinct serotypes
 - 4) - three distinct serotypes
- 41) Foot and Mouth Disease virus Replicates
- 1) epithelial cells
 - 2) - macrophage cells
 - 3) - monocytes
 - 4) - lymphoid cells
- 42) Avian encephalomyelitis virus belongs to
- 1) - Genus Aphthovirus
 - 2) - Genus Parechovirus
 - 3) - Genus Erbovirus
 - 4) Genus Hepatovirus
- 43) Which virus is very stable and survives for 5 hours at 56 °C and resists pH range from 3 to 9
- 1) - Newcastle disease virus
 - 2) Infectious Bursal Disease virus
 - 3) - Infectious laryngotracheitis virus
 - 4) - Infectious Bronchitis virus
- 44) Which serotype of Infectious Bursal Disease virus strains is More virulent and produce more severe disease
- 1) serotype1
 - 2) - serotype2
 - 3) - serotype3
 - 4) - serotype4
- 45) Which the Viral Characteristics of Birnaviridae is not correct, Members of family birnaviridae are
- 1) - Non enveloped, Icosahedral symmetry
 - 2) - pleomorphic dsRNA bisegmented
 - 3) Icosahedral symmetry dsRNA(Size approx. 90 nm) bisegmented
 - 4) - Non enveloped dsRNA bisegmented
- 46) Which virus protein of birnaviridae is viral protease (maturation of VP2 trimming peptides during virus assembly.
- 1) - Virus Protein 1 (VP1)
 - 2) Virus Protein 4 (VP4)
 - 3) - Virus Protein 3(VP3)
 - 4) - all are true
- 47) Infectious Bursal Disease virus replicates in
- 1) - macrophages and lymphoid cells
 - 2) - Kupffer cells
 - 3) - Bursal follicle and B cells
 - 4) all of the above
- 48) the blue tongue virus is transmitted by





- 1) flies and Mosquitoes
 - 2) flea and ticks
 - 3) direct transmission
 - 4) all of the above
- 49) which the Structural Proteins of the blue tongue virus are Outer layer
- 1) VP2,VP1
 - 2) VP2,VP3
 - 3) VP2,VP5
 - 4) VP4,VP5
- 50) Type specific antibody of the blue tongue virus is with
- 1) VP1
 - 2) VP2
 - 3) VP3
 - 4) VP5

