




Question 14

Correct

Mark 1.0 out of 1.0

 Flag question

The following viruses can cause haemorrhagic fevers

Select one or more:

- a. Chikungunya virus
- b. o'nyong'nyong virus
- c. Zika virus
- d. West Nile virus 
- e. Dengue virus 

Your answer is correct.

The correct answers are: Dengue virus,
West Nile virus





Question 16

Correct

Mark 1.0 out of 1.0

Flag question

Examples of known **oncogenic viruses** include:

Select one or more:

- a. HIV-2
- b. Herpes zoster
- c. Epstein-Barr virus
- d. Dengue virus
- e. Human papillomavirus

Your answer is correct.

The correct answers are: Epstein-Barr virus,
Human papillomavirus





In regards to viral infections

Select one or more:

- a. vector control measures are effective against arboviral infections ✓
- b. There are no vaccines against viral diseases
- c. There is no treatment for viral diseases
- d. Hygiene and sanitation is effective against enteroviruses
- e. prevention is better than cure ✓

Your answer is correct.




The correct answers are: prevention is better than cure, vector control measures are effective against arboviral infections





Prions are

Select one or more:

- a. Viruses without nucleic acid
- b. Pathogenic proteins with altered conformations 
- c. Pathogenic proteins with native conformations
- d. Infectious proteins without nucleic acid 
- e. Associated with mad cow disease and kuru 

Question 17

Correct

Mark 1.0 out of 1.0

Flag question

The reference standard (gold standard) for the diagnosis of viral diseases is

Select one:

- a. Protein detection
- b. Nucleic acid detection
- c. Serology (antibody detection)
- d. Cell culture
- e. Serology (antigen detection)

Your answer is correct.

The correct answer is: Cell culture





The common clinical features of respiratory syncytial virus (RSV) disease are

Select one or more:

- a. wheezing ✓
- b. fever
- c. pneumonia ✓
- d. haemorrhagic shock syndrome
- e. bronchilitis ✓


Your answer is correct.

The correct answers are: wheezing, pneumonia , bronchilitis

Question 29

Correct

Mark 1.0 out of 1.0

 Flag question



Mark 1.0 out of 1.0

[flag] Flag question

The countries that remain endemic to wild-type polio transmission are

Select one or more:

- a. Democratic Republic of Congo
- b. Afghanistan ✔
- c. India
- d. Pakistan ✔
- e. Nigeria

Your answer is correct.

The correct answers are: Pakistan, Afghanistan





Question 3

Correct

Mark 1.0 out of 1.0

Flag question

Antigenic drift is responsible for seasonal influenza

Select one:

- True
- False

The correct answer is 'True'.

Question 4

Correct

Mark 1.0 out of 1.0


Flag question







Correct

Mark 1.0 out of 1.0

 Flag question

Haemorrhage in haemorrhagic fevers is caused by

Select one or more:

- a. Vasoconstriction of microvascular endothelial cells
- b. Inflammation of microvascular endothelial cells 
- c. Viral toxicity
- d. Inflammatory cytokines 
- e. Autoimmunity

Your answer is correct.

The correct answers are: Inflammation of microvascular endothelial cells, Inflammatory cytokines





The oral polio vaccines has the following features

Select one or more:

- a. Can induce vaccine associated paralytic poliomyelitis (VAPP) ✓
- b. Produces both IgG and IgA ✓
- c. Induces strong gastrointestinal mucosal immunity ✓
- d. Produces herd immunity ✓
- e. Produces life-long immunity ✓

Your answer is correct.

The correct answers are: Produces herd immunity, Induces strong gastrointestinal mucosal immunity, Produces both IgG and IgA, Can induce vaccine associated paralytic poliomyelitis (VAPP), Produces life-long immunity





Correct

Mark 1.0 out of 1.0

Flag question

Examples of known **oncogenic viruses** include:

Select one or more:

- a. Epstein-Barr virus ✓
- b. Human T lymphotropic virus ✓
- c. Human papillomavirus ✓
- d. Herpes zoster
- e. HIV-2

Your answer is correct.

The correct answers are: Epstein-Barr virus, Human papillomavirus, Human T lymphotropic virus





Variolation

Select one or more:

- a. Involved inoculating pus into the skin of a healthy person ✓
- b. Is an ancient Chinese practice ✓
- c. Involved inoculating pus in the nostrils of a healthy person ✓
- d. Was introduced by ancient Egyptian medicine
- e. Was introduced by western medicine

Your answer is correct.

The correct answers are: Is an ancient Chinese practice, Involved inoculating pus into the skin of a healthy person, Involved inoculating pus in the nostrils of a healthy person



The following play a role in HIV transmission

Select one or more:

- a. genital lesions ✓
- b. sexually transmitted diseases ✓
- c. Type of unprotected sex ✓
- d. circumcision ✓
- e. viral load ✓

Your answer is correct.

The correct answers are: viral load, circumcision, sexually transmitted diseases, genital lesions, Type of unprotected sex

Question **2**

Correct







Mark 1.0 out of 1.0

Flag question

The major contributor to the reduction in infectious diseases in the last 100 years is

Select one or more:

- a. Combinational antiretroviral therapy
- b. Immunisation 
- c. Antibiotics
- d. Improvements in sanitation 
- e. Discovery of penicillin

Your answer is correct.

The correct answers are: Immunisation ,
Improvements in sanitation





Question 7

Correct

Mark 1.0 out of 1.0

Flag question

Viruses

Select one or more:

- a. Have a complete metabolic machinery
- b. Are metabolically inert outside the host ✓
- c. Have no functional organelles ✓
- d. Have no nucleic acids
- e. Lack enzymes

Your answer is correct.

The correct answers are: Have no functional organelles, Are metabolically inert outside the host





Question 4

Correct

Mark 1.0 out of 1.0

Flag question

Common symptoms of coronavirus 2019 disease (COVID-19) are:

Select one or more:

- a. running nose
- b. loss of smell
- c. loss of taste
- d. bleeding
- e. fever

Your answer is correct.

The correct answers are: fever, running nose, loss of smell, loss of taste





Viruses evade immune responses through

Select one or more:

- a. Syncytia formation ✓
- b. Decay of complement proteins ✓
- c. Latency ✓
- d. Antigenic variation ✓
- e. Antigenic variation ✓

Your answer is correct.

The correct answers are: Antigenic variation, Antigenic variation, Latency, Syncytia formation, Decay of complement proteins

Question **27**

Correct

Mark 1.0 out of 1.0





Scrapie proteins

Select one or more:

- a. Do not replicate
- b. Replicate by forming heterodimers ✓
- c. Are found in membranes of neurons ✓
- d. Have altered conformations ✓
- e. Have altered amino acid sequences

Your answer is correct.

The correct answers are: Have altered conformations, Replicate by forming heterodimers, Are found in membranes of neurons

Question **3**





Question 24

Correct

Mark 1.0 out of 1.0

Flag question

Single stranded RNA viruses

Select one or more:

- a. Have -ve sense RNA
- b. Have +ve sense RNA
- c. Have linear RNA
- d. Have circular RNA
- e. Have segmented RNA

Your answer is correct.

The correct answers are: Have +ve sense RNA, Have -ve sense RNA, Have linear RNA, Have segmented RNA



Question 7

Correct

Mark 1.0 out of 1.0

Flag question

The main pathogenesis of enteroviral infection is

Select one or more:

- a. Inclusion body formation
- b. Syncytial formation
- c. Epithelial cell damage
- d. Cell lysis
- e. Cell enlargement

Your answer is correct.

The correct answers are: Cell lysis, Epithelial cell damage



Question 11

Correct

Mark 1.0 out of 1.0

Flag question

The following are integrase inhibitors

Select one or more:

- a. Raltegravir ✓
- b. rilpivirine
- c. oseltamivir
- d. Delutegravir ✓
- e. Remdesivir

Your answer is correct.

The correct answers are: Delutegravir,
Raltegravir

Question 12






Question **15**

Correct

Mark 1.0 out of 1.0

 Flag question

The emergence of pandemics is often preceded by antigenic shift of viruses

Select one:


- True 
- False

The correct answer is 'True'.

Question **16**

Correct

Mark 1.0 out of 1.0

 Flag question





Regarding HIV vaccines

Select one or more:

- a. Use of live attenuated virus raises a lot of safety concerns ✓
- b. There are no suitable animal models for testing ✓
- c. Use of poxviral vectors promises to be effective ✓
- d. HIV does not retain antigenicity when killed ✓
- e. Both therapeutic and preventive vaccine is required ✓

Your answer is correct.

The correct answers are: There are no suitable animal models for testing, HIV does not retain antigenicity when killed, Use of live attenuated virus raises a lot of safety concerns. Use of poxviral vectors promise!





Question **30**

Correct

Mark 1.0 out of 1.0

Flag question

Enveloped viruses exit the cell through exocytosis

Select one:

- True
- False

The correct answer is 'False'.

[Finish review](#)

[← VIRAL VACCINES VIDEO](#)





Question

Correct

Mark 1.0 out of 1.0

Flag question

The following viruses have no animal nor arthropod reservoirs

Select one or more:

- a. Polioviruses
- b. West Nile Virus
- c. Influenza virus
- d. Measles virus
- e. HIV



Your answer is correct.

The correct answers are: Polioviruses, HIV, Measles virus




Question **27**

Correct

Mark 1.0 out of 1.0

Flag question

Early infant diagnosis is conducted using

- a. ELISA
- b. Immunohistochemistry
- c. RT-PCR 
- d. Western blotting
- e. Northern blotting

Your answer is correct.

The correct answer is:
RT-PCR

Question **28**





Question 23

Correct

Mark 1.0 out of 1.0

Flag question

Influenza and Rotaviruses

Select one or more:

- a. Have segmented genomes
- b. Do not have nucleic acid
- c. Undergo antigenic shift
- d. Have circular genomes
- e. Undergo antigenic drift

Your answer is correct.

The correct answers are: Have segmented genomes, Undergo antigenic drift, Undergo antigenic shift






Correct

Mark 1.0 out of 1.0

 Flag question

The reference laboratory testing standard for COVID-19 is

Select one:

- a. reverse transcriptase polymerase chain reaction (RT-PCR) 
- b. Serology
- c. ELISA
- d. flow cytometry
- e. immunohistochemistry

Your answer is correct.

The correct answer is: reverse transcriptase polymerase chain reaction (RT-PCR)





Question 21

Correct

Mark 1.0 out of 1.0

Flag question

Enveloped viruses have a lipid membrane around the core

Select one:

True

False

Have a lipid membrane

The correct answer is 'True'.

Question 22

Correct

Mark 1.0 out of 1.0

Flag question





Mark 1.0 out of 1.0

Flag question

Coronaviruses

Select one or more:

- a. are transmitted by respiratory droplets ✓
- b. cause severe acute respiratory syndrome (SARS) ✓
- c. are associated with coagulopathies ✓
- d. have no animal reservoirs
- e. originated from bats ✓

Your answer is correct.

The correct answers are: are transmitted by respiratory droplets, originated from bats, cause severe acute respiratory syndrome (SARS), are associated with coagulopathies

