SAMPLE QUESTIONS FOR
Virology MCQ’s (MAC 221)

Q-1 The following diseases are caused by enteroviruses EXCEPT ONE:

A) Pleurodynea
B) Glomerulonephritis
C) Paralysis
D) Meningitis
E) Pericarditis

Q-2 The viral pathogenesis, circle the WRONG STATEMENT:

A) Spread of virus in the body through different route e.g. Blood, Saliva
B) Humoral immunity but not cell mediated immunity (CMI) act against viruses
C) Inclusion bodies produced by viruses can be single or many
D) In cytocidal infection, cell usually die
E) Several RNA viruses can cause persistent infection

Q-3 In viral properties circle the WRONG STATEMENT:

A) The viral envelope contain Lipoprotein
B) Viruses can replicate in non-living media
C) Viruses need live cells to grow
D) Viruses have no ribosome
E) Contain either RNA or DNA

Q-4 Regarding poliovirus, circle the WRONG STATEMENT:

A) Two vaccine are available
B) There is no vaccine for polio
C) Can be isolated from throat swab or stool
D) Sub-clinical infection are common
E) Three serotypes exist

Q-5 In structure and classification of viruses, circle the WRONG STATEMENT:

A) Icosahedral symmetry have 12 vertices
B) Helical symmetry such as Othomyxo virus
C) The viruses contain protein and nucleic acid
D) Transcription is the formation of protein
E) Translation is the formation of protein
Q-6 In HCV and HBV, circle the correct answer:

A) HBV is dsRNA  
B) HCV is ssRNA  
C) Both viruses can grow in cell culture  
D) HBV has not chronicity complication  
E) Hemodialysis but not hemophiliacs are at risk for HCV

Q-7 Regarding viral hepatitis, circle the **WRONG ANSWER:**

A) **HCV-Abs can’t be diagnosed in the lab. by EIA test**  
B) The risk factor for hepatocellular carcinoma by HCV are: underlying liver disease, alcohol, age  
C) HCV-DNA integrate into liver cell chromosomes in most HCC patients.  
D) Cell entry and replication of delta hepatitis (HDV) take place by the presence of HBV  
E) The RNA and protein of HDV is surrounded by HBsAg

Q-8 The human diploid cell vaccine is used for prevention of:

A) Rabies  
B) Varicella  
C) Hepatitis A  
D) Yellow fever  
E) RSV infection

Q-9 The following viral diseases are characterized by maculopapular rash **EXCEPT ONE:**

A) Measles  
B) Rubella  
C) Erythema infectiosum  
D) Exanthem subitum  
E) **Herpangina**

Q-10 The following statements about herpesviruses are true **EXCEPT ONE:**

A) There are eight human herpes viruses  
B) All are morphologically identical  
C) All are DNA-viruses  
D) **All cause vesicular rash**  
E) All remain latent inside the human body after primary infection
Q-11 The following viruses are associated with congenital infection EXCEPT ONE:

A) Rubella virus
B) CMV
C) Parvovirus B-19
D) Varicella
E) RSV

Q-12 The following statements regarding varicella and zoster are true EXCEPT ONE:

A) They are two diseases caused by one virus
B) Varicella is the primary illness, whereas zoster is the recurrent form of the disease
C) They have the same clinical picture
D) Varicella is a disease of children, whereas zoster is a disease of elderly and immunosuppressed patients.
E) Varicella can be prevented by vaccination

Q-13 The following statements regarding HIV are true EXCEPT ONE:

A) It belongs to the family reteroviridae
B) It is an oncovirus
C) It is associated with the enzyme reverse transcriptase
D) The virus is present in all body fluids
E) The sexual route is the main mode of transmission

Q-14 The following viruses are transmitted by the fecal-oral route EXCEPT ONE:

A) HAV
B) HEV
C) HDV
D) Entero
E) Astro

Q-15 The following viruses can be transmitted sexually EXCEPT ONE:

A) HIV
B) HBV
C) HSV-2
D) Adeno
E) Rubella