

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 nuclic 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**