

1) Acute hemorrhagic cystitis is:

- a. A self-limited disease.
- b. Complicated by glomerulonephritis.
- c. Characterized by microscopic hematuria.
- d. Caused by adenoviruses 40 and 41.
- e. Usually accompanied by fever and hypertension.

Answer: A

2) Which one of the following viruses belongs to the genus Rubulavirus? a. Hendra.

- b. Measles.
- c. Rubella.
- d. Mumps.
- e. Nipah.

Answer: D

3) Which one of the following combinations regarding viral hepatitis routes of transmission is false?

- a. Hepatitis A virus: consumption of contaminated shellfish.
- b. Hepatitis E virus: blood transfusion.
- c. Hepatitis C virus: injection drug use.
- d. Hepatitis B virus: vertical transmission.
- e. Hepatitis B virus: sexual transmission.

Answer: B

4) Umbilicated papule is characteristic of:

- a. Measles.
- b. Cold sore.
- c. Varicella.
- d. Zoster.
- e. Molluscum contagiosum.

Answer: E

5) The most common route of human immunodeficiency virus type 1 (HIV-1) transmission globally is:

- a. Multiple unprotected homosexual practices.
- b. Mother-to-child transmission.
- c. Blood transfusion.
- d. Multiple unprotected heterosexual practices.
- e. Injection drug use.

Answer: D

6) The human immunodeficiency virus (HIV) infection reaches the AIDS (acquired immunodeficiency syndrome) stage when the peripheral CD4⁺ T- cell (helper T cell) count is less than (per microliter):

- a. 1 cell.
- b. 1000 cells.
- c. 50 cells.
- d. 200 cells.
- e. 10 cells.

Answer: D

7) The antiviral medication that is used to treat and prevent influenza A and influenza B by inhibiting viral neuraminidase is:

- a. Ribavirin.
- b. Amantadine.
- c. Tenofovir.
- d. Oseltamivir.
- e. Sofosbuvir.

Answer: D

8) Complete closed circular DNA is seen in the life cycle of which one of the following hepatitis viruses? a. HAV.

- b. Delta agent.
- C. HCV.
- d. HBV.
- e. HEV.

Answer: D

9) All of the following factors helped to achieve the successful eradication of smallpox from the human population, EXCEPT:

- a. The absence of a persistent carrier state of variola virus.
- b. The antigenically unstable nature of variola virus.
- C. The absence of asymptomatic cases of smallpox.
- d. The highly efficient nature of smallpox vaccine.
- e. The absence of an animal reservoir for variola virus.

Answer: B

10) An 18-year-old man presented to the emergency department with a progressively worsening headache, photophobia, fever and vomiting. He was diagnosed with aseptic meningitis. The most likely causative agent of the previous case belongs to the family:

- a. Retroviridae.
- b. Filoviridae.
- c. Paramyxoviridae.
- d. Picornaviridae .
- e. Togaviridae.

Answer: D

- 11) The classic triad for congenital rubella syndrome is:
- a. Low-grade fever, macular rash, and arthropathy.
 - b. High-grade fever, pharyngitis, and lymphadenopathy.
 - c. Hemolysis, hepatomegaly, and splenomegaly.
 - d. Deafness, cataract, and congenital heart disease.
 - e. Hepatitis, pneumonia, and meningitis.

Answer: D

- 12) The methods that is used for definitive diagnosis of influenza is:

- a. ELISA
- b. Flow Cytometry
- c. Radioimmunoassay
- d. Antigen testing
- e. PCR.

Answer: E & D

- 13) . The oncovirus that can be prevented by vaccination is:

- a. HIV
- b. Hepatitis E virus
- c. Hepatitis A virus
- d. Hepatitis C virus
- e. Human papillomavirus 16.

Answer: E

- 14). The polyomavirus JC is the causative agent of:

- a. Molluscum contagiosum.
- b. Hemorrhagic cystitis.
- c. Merkel cell carcinoma (MCC).
- d. Progressive multifocal leukoencephalopathy (PML).
- e. Erythema infectiosum (fifth disease)

Answer: D

- 15) Transmissible spongiform encephalopathies are caused by:

- a. Ebola virus.
- b. Rabies virus.
- c. Chikungunya virus.
- d. Zika virus.
- e. Prions.

Answer: E

- 16) Which of the following is a main cause of orchitis in males?

Answer: Mumps

- 17). Cataract, deafness, and heart problems are symptoms of:

Answer: Congenital rubella syndrome

18). The most common cause of viral pharyngitis is:

Answer: Rhinovirus

19). Rhinovirus is:

Answer: +ssRNA virus with non-segmented genome

20). The most common cause of lower respiratory infections in infants is:

Answer: respiratory syncytial virus

21). Which of the following viruses has a diploid genome?

Answer: HIV

22) Which of the following statements is wrong?

Answer: MRSA is responsible for 50% of all community and hospital acquired infections.

23)The best way to prevent H1N1 influenza infection is:

Answer: Hand washing and vaccination.

24)The most common cause of aseptic meningitis is:

Answer: Picornaviridae

25). All of the following helped in eradication of smallpox except:

Answer: The antigenic instability of the virus.

26). Which of the following is a DNA virus?

Answer: Hepatitis B virus

27)Which one of the following is considered a defective virus?

- HDV (Answer)

- HBV

- HCV

- HAV

- HEV

28)COVID-19 is transmitted by

- Respiratory droplets. (Answer)

- Sexual intercourse

- Food

- Blood transfusion

- Mosquitoes

29) Which one of the following statements is TRUE regarding chickenpox?

- Diagnosis can be achieved based on the symptoms and signs solely. (Answer)

- The disease exclusively affects children

- Asymptomatic disease is common
- The disease is rarely contagious
- Treatment is mandatory

30) The India ink preparation is used for the diagnosis of:

- Cryptococcal meningitis. (Answer)
- Oral candidates
- Tinea Versicolor
- Candida Vaginitis
- Paracoccidiomycosis

31) The region with the highest dentists' exposure to human immunodeficiency virus type 1 (HIV-1) is:

- Sub-Saharan Africa. (Answer)
- Australia
- Middle East
- North Africa
- Western Europe

32) In human papilloma virus-related oropharyngeal carcinoma, the majority of cases are caused by:

- HPV-16 (Answer)
- HPV-1
- HPV-2
- HPV-6
- HPV-11

33) Deafness, cataract, and congenital heart disease is the classic triad for:

- Congenital rubella syndrome (Answer)
- Chikungunya fever
- Neonatal hepatitis B
- Neonatal hepatitis C
- Erythema infectiosum

34) In coronavirus infection, the highest mortality rate is seen in:

- Middle East respiratory syndrome (MERS). (Answer)
- COVID-19
- NL63 infection
- OC43 infection
- Severe acute respiratory syndrome (SARS)

35) Bornholm disease (epidemic myalgia) is caused by:

- Coxsackie virus B. (Answer)
- Coxsackie virus A.
- Echovirus

- Human enterovirus 71
- Poliovirus

36) Human immunodeficiency virus type 1 (HIV-1) origin is most likely related to cross-species transmission of simian immunodeficiency virus to human from:

- Chimpanzees. (Answer)
- Dogs
- Cats
- Batz
- Camels

37) Kramer is an 18-year-old man presented to the emergency department with a progressively worsening headache, photophobia, fever and vomiting. He was diagnosed with aseptic meningitis. The most likely causative agent of the previous case belongs to the family:

- Picornaviridae (Answer)
- Floviridae
- Paramyxoviridae
- Retroviridae
- Togaviridae

38) Which one of the following viruses is acid-labile?

- Rhinovirus A. (Answer)
- Poliovirus
- Human enterovirus 71.
- Coxsackie virus A
- Echovirus.

39) The quadrivalent HPV (human papillomavirus) vaccine contains the following types:

- HPV6, HPV11, HPV16, HPV18. (Answer)
- HPV1, HPV2, HPV5, HPV8.
- HPV1, HPV5, HPV16, HPV18.
- HPV6, HPV11, HPV31, HPV33.
- HPV16, HPV18, HPV31, HPV33.

40) The most common route of human immunodeficiency virus type 1 (HIV-1) transmission globally is:

- Multiple unprotected heterosexual practices. (Answer)
- Blood transfusion
- Injection drug use
- Kissing
- Multiple unprotected homosexual practices

41) The most common cause of common cold is:

- Rhinovirus. (Answer)
- Influenza Virus C
- Parainfluenza Virus 1
- Metapneumovirus.
- Adenovirus

42) Antiretroviral therapy is used for the management of:

- Human immunodeficiency virus (HIV) infection. (Answer)
- Hepatitis A virus (HAV) infection
- Hepatitis B virus (HBV) infection
- Hepatitis C virus (HCV) infection
- Influenza

43) Which one of the following receptors is utilized by HIV to cause infection of macrophages?

- CCR5. (Answer)
- CD8
- CD16
- CD56
- CXCR4

44) The most common sexually transmitted infection (STI) worldwide is due to:

- HPV (human papillomavirus). (Answer)
- HBV
- HIV
- Candida albicans
- Adenovirus

45) The most common cause of viral lower respiratory tract infection in infants is:

- Respiratory syncytial virus (RSV). (Answer)
- Human metapneumovirus
- Human parainfluenza virus (HPIV)
- Influenza type C virus
- Rhinovirus

46) An 18-year-old man, presented to the E/R with a progressively worsening headache, photophobia, fever and vomiting. Cerebrospinal fluid (CSF) findings showed CSF pleocytosis and increased protein. He was diagnosed with aseptic meningitis. The most likely causative agent of the previous case belongs to the family:

- a. Picornaviridae. (Answer)
- b. Paramyxoviridae.
- c. Togaviridae.
- d. Flaviviridae.
- e. Retroviridae.

47) Which one of the following viruses has a diploid genome?

- a. Rotavirus.
- b. Human immunodeficiency virus type 1 (HIV-1). (Answer)
- c. Influenza A virus.
- d. Poliovirus.
- e. Hepatitis B virus (HBV).

48) Which one of the following viruses is NOT transmitted via the sexual route?

- a. Human immunodeficiency virus type 1 (HIV-1).
- b. Hepatitis B virus (HBV).
- c. Hepatitis C virus (HCV).
- d. Hepatitis E virus (HEV). (Answer)
- e. Human T-cell lymphotropic virus type 1 (HTLV-1).

49) Which one of the following statements regarding influenza is TRUE?

- a. The vaccine confers life-long immunity. (Answer)
- b. Type C is associated with pneumonia.
- c. It is restricted to the upper respiratory tract.
- d. Pandemics occur due to antigenic shift.
- e. Type A is restricted to human.

50) The most common viral cause of gastroenteritis in adults is a member of the family:

- a. Paramyxoviridae
- b. Reoviridae (Answer)
- c. Picornaviridae
- d. Caliciviridae
- e. Adenoviridae

51) Direct-acting antivirals are successful in the treatment of:

- a. HIV-1
- b. HIV-2
- c. Hepatitis C (Answer)
- d. Hepatitis B
- e. Hepatitis A

اللهم إني أستودعك ما قرأت وما حفظت وما تعلمت فرده لي عند حاجتي إليه إنك على كل شيء قدير وحسبنا الله ونعم الوكيل

دعواتكم

Good Luck 

Done by: Rana Ma'mun

