

Exam 2017 – Microbiology

Q1: A drug that is given as a prophylaxis against Influenza A and B is: Oseltamivir

Q2: Ziehl Nelsen Stains will give positive result for: all types of Mycobacteria:
Liprae, Tuberculosis, Kansasii

Q3: The causative agent for Whooping cough is: Bordetella pertussis

Q4: A nurse develops clinical symptoms consistent with hepatitis. She recalls sticking herself with a needle approximately 4 months before after drawing blood from a patient. Serologic tests for HBsAg, antibodies to HBsAg, and hepatitis A virus (HAV) are all negative; however, she is positive for IgM core antibody. The nurse

- a. Does not have hepatitis B
- b. Has hepatitis A
- c. Is in the late stages of hepatitis B infection
- d. Is in the “window” (after the disappearance of HBsAg and before the appearance of anti-HBsAg)
- e. Has hepatitis C

- the answer is D.

Q5: Chicken pox is a common disease of childhood. It is caused by which of the following viruses?

- a. Cytomegalovirus
- b. Rotavirus
- c. Varicella-zoster virus
- d. Adenovirus
- e. Papillomavirus.

- The answer is C.

Q6: This is a double-stranded DNA virus. It is responsible for 15% of pediatric respiratory infections and 10 to 15% of acute diarrhea in children.

- a. Measles virus
- b. Influenza virus
- c. Respiratory syncytial virus
- d. Parainfluenza virus
- e. Adenovirus

- THE ANSWER is E

Q7: Paramyxoviruses are most commonly associated with which of the following diseases?

- a. Fifth disease
- b. Rubella
- c. Croup
- d. Tonsillitis
- e. Otitis media

- Answer: C

Q8: Which one of the following viruses may be human tumor virus?

- a. Epstein-Barr virus (EBV)
- b. HIV
- c. Papillomavirus
- d. Varicella-zoster virus (VZV)
- e. Herpes simplex virus, type 2 (HSV)

Answer is "C"

Q9: Which of the following is a common cause of epidemic gastroenteritis, particularly aboard cruise ships and in summer camps? It may be detected by ELISA methods or electron microscopy.

- a. Rotavirus
 - b. Adenovirus 40/41
 - c. Norwalk virus
 - d. Astrovirus
 - e. Hepatitis A virus
- the answer is C

Q10: This hepatitis virus is a defective virus in that it cannot replicate independently without the presence of hepatitis B virus.

- a. Hepatitis A
 - b. Hepatitis B
 - c. Hepatitis C
 - d. Hepatitis D
 - e. Hepatitis E
- the answer is D

Q11: *V. cholerae*, the causative agent of cholera, is best isolated using:

- a. Sheep blood agar
 - b. Löffler's medium
 - c. Thayer-Martin agar
 - d. Thiosulfate citrate bile salts sucrose medium
 - e. Löwenstein-Jensen medium
- the answer is D

Q12: *Yersinia pestis*, the causative agent of plague

Q13: Black death , plague

Q14: EXFOLIATIVE enzyme is responsible for Scalded skin syndrome

Q15: α -hemolytic streptococci is nongroupable strep.

Q16: gamma hemolytic is enterococci

Q17: cardiolipin ----- VDRL

Q18: which of the following is false about *N.gonorrhoea* the answer was nitrites reduction positive

Q19: which of the following is false about shigella :: the answer was its motile

Q20: both shigella and *E.coli* secrete SHIGA toxin.

Q21: to sterilize the bacteria from fluid we do filtration.

Q22 : shigella ,k/A in TSI

Q23: Which one of the following would be the treatment of choice for HSV encephalitis

infection? Answer : Acyclovir

Q24: Vaccine ---- we use 3 serotypes

Q25: Not virulence factor for N.gonococcol , exotoxin

Q26: which one is incorrect: using nonnucleoside with nucleoside reverse transcriptase inhibitor.

Q27: a characteristic of E.coli >>>> Urease negative.

Q28: one of the following is lactose fermenter ? >> E.coli

Q29: which of the following parasites that cause autoinfection >>>>Enterobius vermicularis.

Q30: which of the following used to exclude Bacteria from biological fluid ??: >>>>filtration

Q31: dimorphic pathogenic fungi means : >>> it can grow as yeasts and molds

Q32: Creutzfeldt-Jakob disease (CJD) --- prions

Q33: viruses can be classified by all the following except : >>> color