



فريق إحسان الأكاديمي

Ihsan Academic Team

أسئلة السنوات

هذه الأسئلة هي تجميع من طلاب دفعتي نبض و شفاء ..

قمنا بفرز أسئلة مادة الفيروسات لوحدها بالإضافة لأسئلة مقدمة د. محمد تميمي ..

وهذه إجابات طلاب وتحتمل الصواب والخطأ ..

دمتم بود .. كل التوفيق لكم ..

- The first person to actually see microorganisms:

- a) Anton van Leeuwenhoek \*\*
- b) Robert Kock
- c) Louis Pasteur
- d) Aristole

- The scientist who said (pathogens must present in case of disease) is:

- a) Robert Kock \*\*
- b) Louis Pasteur
- c) Aristole
- d) Anton van Leeuwenhoek

-Eukaryotes are more complicated than Prokaryotes in all these Except:

- a) Cell envelope\*\*
- b) Mitochondria
- c) Nucleus
- d) None of the above

- All of these are benefit of microbes except:

- a) Providing vitamins
- b) Competing with pathogens & prevent their effect
- c) Cause dental caries \*\*
- d) None of the above

-All microorganisms are best defined as organisms that:

- A. cause human disease
- B. lack a nucleus
- C. are infectious particles
- D. are too small to be seen with the unaided eye\*\*
- E. can only be found growing in laboratories

-Which activity is an example of biotechnology?

- A. bacteria in the soil secreting an antibiotic to kill competitors
- B. a microbiologist using the microscope to study bacteria
- C. Egyptians using moldy bread on wounds
- D. Eschericia coli producing human insulin\*\*
- E. Public health officials monitoring diseases in a communiflor

- Having the capacity to do something that is not compulsory, in particular - having the ability to live or adapt to certain conditions.

- a. heterotrophic bacteria
- b. autotrophic bacteria
- c. facultative bacteria
- d. normal flor

---

-HCV causes transformation of hepatocytes.. By: NS3 gene oncogenic

-all these microorganisms are match except:

- A) coccus (1nm)
- B) E.coli (2nm)
- C) HIV (120nm)
- D) adenovirus (10nm) \*\*
- E) poxvirus (300nm)

- if someone has a disease in J chain,, thats means that he has a problem in :: A) IgG

- B) IgG+IgM
- C) igA
- D) igA+igM \*\*

-eclipse phase is the period between-----and -----  
(Adsorption and uncoating)

- abortive infection--->no progeny production

-so2al 3an el viral lab techniques kan fe 5ayarain 97

- 1)pcr is highly sensitive for viral genome
- 2)igG will increase by 2 fold on reinfection.

- all of the following about prions is true except:

- A)---
- B)non-immunogenic
- C)kuru associated with cannibalism \*\*
- D)prpSC acquired from exogenous
- E) can be detected by histopathological method

-a mutation that introduce a new sequence of amino acids that is normally not found ::

- A) framshift \*
- B) missense
- C) nonsense
- D) copy choice recombination

-sth about +ssRNA replication eno kef b7l moshkeltk eno bkawam polyprotein (msh mt2kdeh mn eno B3mal polyprotein ----El jawab 3an 6are8 el cleavage of polypeptide

-which is not correct about viral pathogenesis :

Eno most of the rna viruses cause latent infection o kman el virus is transported to the body through blood and salvia (el so2al feyo sth wrong)

- features related to cell culture ::

- A) cytopathic effect \*
- B) heomadsorption

-which of the following is common process o all type of virus ::

- A) mrna production

B) glycoprotein synthesis

Mara 7ako a o Mara b makee sure had 99.9% r7 yeje

- drug that is given as a prophylaxis against Influenza A and B is:  
Osetelomavir

- 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

- 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.

- 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)

-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

-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

-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\*\*

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

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

-Which one of the following would be the treatment of choice for HSV encephalitis infection? Answer : Acyclovi

-Vaccine ---- we use 3 serotypes

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

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

-which one is incorrect: using nonnucleoside with nrcleoside reverse transcritase inhitibtor.

- . if someone has a disease in J chain,, that means that he has a problem in : A)IgG
- b)IgE
- C) igM \*\*
- D) igM+igG

-Which one of the following drugs inhibit nucleic acid synthesis?

- A- Metronidazole \*\*
- B- Penicillin
- C- Vancomycin
- D- Tetracycline

-a question was about T helper cells ? answer :

i think eno bt7fz 5laya B 3l in8sam 3n 6ree8 efraz cytokines

-a question about lytic infection ? answer :  
kill the infected cells ( host cell )

- the ability of RBCs to stick with cells ? answer :  
haemadsorption

-there was a Q about the mutation in which we have a new a.a ?  
answer : missense mutation

- Which of the following is not an antigenic part?

A- Capsule

B- Pili

C- Ribosome

Answer => C

- What does interferon cause?

answer : inhibition of mRNA translation

- there was a q about which one of the following is the hardest to translate ( aw s.th like that i  
can't remember well )

answer : non-segmented negative RNA strand ( not sure )

- which one of the following is true about ECLPSE phase ?

answer : between adsorption and uncoating

- The building unit of the core of helical viruses ?

answer : capsomers

- Which of the following is not true about icosahedral capsids?

Answer => orthomyxo virus is an example

- Which of the following is not true about reassortment:

I think the answer was something at a protein level (not sure)

- PCR test is not used to detect

A- DNA template

B- DNA polymerase

C- Amino acids

Answer=> C

- Which of the following viruses does not cause intranuclear inclusions?

A- Pox virus

B- Polio virus

- An example on latent infection is:

Answer=> herpes varicella zoster

- What causes chicken pox?

herpes varicella zoster

- Which of the following is incorrect?

Kuru is caused by spontaneous mutations

- Which of the following diseases caused by prions doesn't affect humans?

A- Kuru

B-BSE

C-FFI

Answer=>B

- Which of the following is incorrect Cytotoxic effects cause cellular transformation

- which statement is incorrect about DIP :

Answer=> at low MOI the defective virus increase in number

- lytic reaction or lytic phase ?

Answer=> kill the cell

- Zoonosis:

Answer=> diseases that are transmitted from animals to humans.

- what is the enzyme that adds the viral DNA to the cellular DNA in HIV:

Answer=> Integrase enzyme

- Prions cause all of the following diseases in human except :

A) BSE \*\*

B) FFI

C) GSS

- According to retroviral therapy which of the following is incorrect:

AZT is used for treatment of HSV infection and RSV

- All of the following can form synsetia except :

A)RSV

B)HIV

C)influenza\*\*

D)measles

E)mumps

- One of these is matched incorrectly:

Rotavirus vertical transmission

- All of the following matches are correct except:

A)pandemic corona

- B) epidemic malaria
- C) HPV localized infection
- D) measles systemic infection
- E) none of the above \*\*

- Ribavirin is drug of choice for :

- A) Rsv , lessa fever , influenza

- Which of the following drug in not need to activation(not prodrug)

- A) cidofovir \*\*
- B) ribavirin
- C)acyclovir

- Which of the following not use for treatment influnza :

- A)oseltomivir
- B) amantadine
- C) zananivir
- C) ritonavir\*\*

- Which of the following drug use in case of prophylaxis of influenza A ,B :  
oseltomivir

- The best drug of choice to treatment herpes encephalitis :

Acyclovir

- The ganiciclovir use instead of acyclovir in case of :

CMV

- Vaccines have been found for measles and work best against microbes because:

- A) dont vary in antigens \*\*
- B) have animal reservoir
- C) establish latent infection

- One of the following is a correct match:

HPV cervical cancer

- Which of the following is incorrect about replication and transcription process:

- A)In RNA + sense the genome is used as a template for replication and RNA dependent RNA polymerase
- B)In RNA +sense ,mRNA transcript as polysitronic
- C)RNA -sense transcript mRNA as monositronic
- D)RNA -sense replicate its genome by produce RNA + sense and using it as a template
- E)None of the above \*\*

- Which of the following test is not /are not use in HIV diagnosis:

- A)ELIZA



- B) Complement fixation \*\*
- C) Western Blot
- D) PCR
- E) More than one of the above

- There was something about Interferons:  
inhibition of mRNA

- Are the most easy to handle:  
continuous cells

- Mutations that lead to form stop codon:  
nonsense

- Mutation that induces new amino acids that were not normally:  
Frame shift

- Which of the following is mismatch :

- A) Pandemic corona
- B) Endemic malaria
- C) Systemic measles
- D) Localized HPV
- E) None of the above \*\*