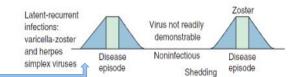
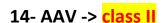
MIDTERM COLLECTED QUESTIONS OF IMMUNOLOGY & MICROBIOLOGY 018

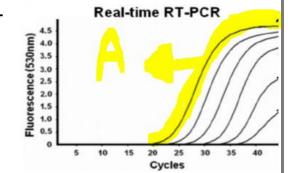
- 1- responsible of antiviral state -> IFN-Y
- 2- the main component of the capsule -> water
- 3- the most accurate conclusion when we find viral antigen using ELISA -> the presence of viral particles
- 4- causes hearing loss -> CMV
- 5- correct about endotoxins -> heat stable
- 6- false about biofilm -> essential for bacterial survival
- 7- false about pathogenicity islands -> encode endotoxins

8- HSV2 -> Pattern B



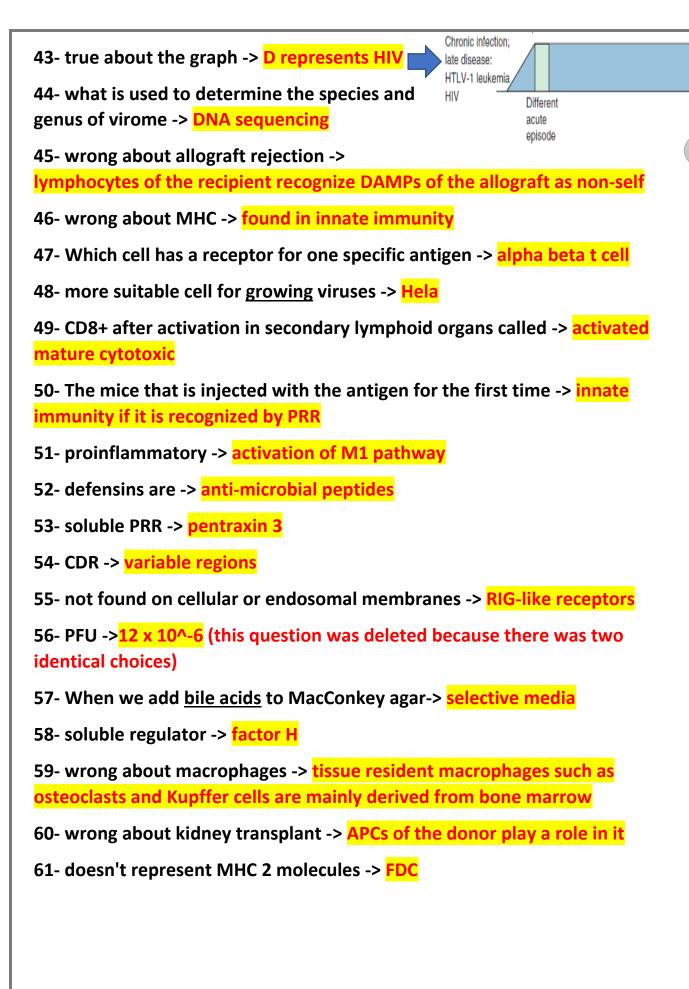
- 9- Which patient had more viral content -> A
- 10- forms spores -> clostridium
- 11- low affinity adhesion molecules on leukocytes -
- sialyl lewis X
- 12- clean endoscope using -> ethylene oxide
- 13- False about autoclave -> use it for 20-30 hours to sterile objects





- 15- early infection control -> john snow (this question was deleted because another choice was Ignas Semelweis)
- 16- lowered during infection -> transferrin
- 17- general transduction -> lytic cycle
- 18- forces bacteria to take up DNA -> transfection (this question was deleted because it isn't mentioned in the slides)
- 19 breast milk -> IgA (this question was deleted because the percentage of students who chose the right answer was low)

- 20- Wrong about antibodies -> The Fc is made of both heavy and light chains
- 21- amphitrichous -> on both sides
- 22- wrong about normal flora -> can be cleared from all over the body using simple methods
- 23- Bacteria in dark and takes carbon from organic molecules -> chemoheterotrophs
- 24- not accessory -> cell envelope
- 25- to inhibit adhesion -> use inhibitors for fimbriae
- 26- wrong about spores -> it is a reproductive method
- 27- wrong about bacterial growth -> the size increases during the lag phase
- 28- thymine dimer mutation is -> none of the above
- 29- the best way to study microbiome -> 16 rRNA
- 30- true about microbiota -> difference due to life styles and diet
- 31- wrong about transmission -> high inoculum size means stronger pathogen
- 32- if TDI50 was 10^-6. when the number of viruses decreases by using antivirals then TDI50 becomes -> $\frac{10^{-2}}{10^{-2}}$
- 33- isn't expected to decrease after the inhibition of C3 convertase -> Binding of C1q
- 34- involved in LPS signalling -> CD14
- 35- has coagulase enzyme -> S. Aureus
- 36- true about quorum sensing -> communication between bacteria according to their densities
- 37- Wrong about neutrophils -> they remain mainly in tissues.
- 38- doesn't inhibit phagocytosis -> the presence of peptidoglycans
- 39- Wong about innate immunity -> complex only found in jawed vertebrate
- 40- true -> affinity interaction is reflected in strong antibody antigen binding
- 41- true about skin microbiota -> changes according to its location
- 42- Wrong -> CD4+ cells can bind soluble antigens



Disease

episode