

Biology - FSC Part 1 Biology English Medium Chapter 5 Preparation

Q1. What are pocks?

Ans 1: In small pox raised fluid filled vesicles are called onco viruses. For example RNA viruses, AIDS and onco viruses.

Q2. What are prions?

Ans 1: Prion: The most recently discovered (1983) and least understood micro-organism and least which may be infectious proteins. Their nature is very controversial. They are composed of protein only that contain the information that codes for their replication. Prions are responsible for mad cow infection and mysterious brain infection in man.

Q3. Define species with example.

Ans 1: A species is a group of natural populations which can interbreed freely among themselves and produce fertile offsprings, but are reproductively isolated from all other such groups in nature.

Q4. What is reverse transcriptase? Give its function.

Ans 1: It is an enzyme present in retroviruses or RNA containing viruses. Its function is to convert single stranded RNA into double stranded DNA by reverse transcription.

Q5. What are symptoms of AIDS?

Ans 1:

1. A rare vascular cancer
2. Sudden weight loss
3. Swollen lymph nodes
4. General loss immune functions
5. Severe Pneumonia

Q6. Define binomial nomenclature with two examples.

Ans 1: Linnaeus system of giving scientific names to the organisms, which consists of two words is called binomial nomenclature. e.g. *Cassia fistula*.

Q7. What are capsomeres and what is their number in adenovirus?

Ans 1: Capsid or protein coat of virus is made up of protein subunits called capsomeres. 252 capsomeres are present in adenovirus.

1. Cubical Form
2. Helical Form

Q8. What is Hepatitis?How How it caused?

Ans 1: Inflammation of liver is called hepatitis.

Cause of hepatitis are

1. Blood transfusion from infected to healthy person
2. By sexual contact with infected person
3. By using surgical instruments and syringe of infected person.

Q9. What is herpese complex?

Ans 1: The disease is caused by herpes virus (DNA virus.it is naturally occurring disease of mankinf.In this vascular lesions in the epithelial layer of ectodermal tissues are formed.Most commonly this disease occurs in mouth,on lips and at other skin sites.

Q10. Of which material capsid is made.

Ans 1: Capsid is made up of repeating protein units called capsomere.
