

## Biology - FSC Part 1 Biology English Medium Chapter 5 Preparation

Q1. How hepatitis A is transmitted?

**Ans 1:** It is transmitted by contact with faeces from infected person.

Q2. Define virology.

**Ans 1:** Study of viruses is called virology. It relates with structure, replication and transmission of virus into host body.

Q3. Write a note on polio.

**Ans 1:** Poliomyelitis is caused by polio virus. It is found all over the world. It occurs mostly in childhood. The age in which primary infection occurs varies with social and economic factors. The polio viruses are the smallest known viruses and contain RNA in a spherical capsid.

Q4. Write the name of four common human viral disease.

**Ans 1:** Viral disease are polio, small pox, measles, mumps and influenza.

Q5. What are retroviruses?

**Ans 1:** The RNA viruses which can convert their single stranded RNA into double stranded DNA are known as retroviruses.

Q6. Explain briefly small pox.

**Ans 1:** Small pox is caused by pox virus. It is an ancient disease which is known to have occurred in epidemics in China as early as 12th century B.C. Until the early 20th century small pox was a common disease throughout the world. In small pox raised fluid-filled vesicles are formed on the body which becomes pustules later on and form pitted scars, the pox.

Q7. What are onco viruses?

**Ans 1:** The single stranded RNA tumor viruses are called onco viruses. For example, RNA virus, AIDS and onco virus.

Q8. Of which material capsid is made.

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

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Q9. What are prions?

**Ans 1:** Prion: The most recently discovered (1983) and least understood micro-organism and lease 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.

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Q10. What is herpes complex?

**Ans 1:** The disease is caused by herpes virus (DNA virus). It is naturally occurring disease of mankind. 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.

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