

3. Discuss peplomers of influenza viruses.

4. Define the following terms:-

a) Toxoid

b) Herd immunity

c) Adjuvant

d) Asymptomatic carrier

e) Common source epidemic

5. Discuss the different sources of disease outbreaks.

6. Describe staphylococcal food poisoning.



7. Giving specific examples, discuss the portals of entry of pathogens into human body.

8. Discuss viral gastroenteritis.

SECTION B (30 marks)

Answer any ONE question

1. Discuss disease prevention by avoiding exposure to pathogenic microorganisms.
2. Describe the different types of vaccines with killed or inactivated microorganisms, attenuated vaccines and vaccines with individual antigenic components. *(make it short.)*
3. Discuss analytical epidemiological studies.