

Time: 3 hours

[Total marks: 100]

SECTION-I

- Q.1 Define and classify immunity in detail. Describe mechanism of innate immunity in detail. 15
- OR
- Q.1 Define sterilization. Classify Various agents used in sterilization. Discuss sterilization by dry heat in detail. 15
- Q.2 Describe Morphology, Life cycle and pathogenesis of *E.Hystolytica* 15
- OR
- Q.2 Describe Morphology, Life cycle and pathogenesis of *L.Donowani* 15
- Q.3 Short Notes (any three) 15
1. Candidiasis
 2. Toxins of streptococci
 3. Flagella
 4. Black water fever
 5. Gram's Stain
- Q.4 Give following answers 05
1. what is tetanus?
 2. Define incineration
 3. Define mycetoma
 4. Give name of host require by plasmodium species to complete it's life cycle
 5. Give name of disease cause by *echynococcus granulosus*.

SECTION-II

- Q.1 Explain one hospital acquired infection caused by diplococci. 15
- OR
- Q.1 Explain in detail pathogenicity of disease caused salmonella. 15
- Q.2 Explain aids in detail with its causative organism in detail. 15
- OR
- Q.2 A. Hypersensitivity
B. Classification of immunity with example 15
- Q.3 Write short note (any 3) 15
1. Tuberculin test
 2. Leucocytosis.
 3. Vaccines
 4. Glycosuria.
 5. Role of pathology in homoeopathy
- Q.4 Answer the following 05
1. Full form of hiv
 2. Name immunoglobins
 3. Vaccine for mycobacteriom
 4. Investigation for vibrio
 5. Test for syphillis