



- b) Explain the following causative agent and symptom of given disease- (7)
- 1- African sleeping sickness
  - 2- Diphtheria
  - 3- Typhoid
  - 4- Kala azar
  - 5- Measles
  - 6- Influenza flu
  - 7- Candidiasis

**Q-5 Attempt all questions (14)**

- a) Explain the structure, characteristics and function of IgA. (7)
- b) Describe the any one antibacterial agent which inhibit the cell wall and nucleic acid. Also explain the mode of action. (7)

**Q-6 Attempt all questions (14)**

- a) Write a short note on kinetics of the antibody response. (7)
- b) Write an essay on normal microflora of skin and urinogenital tract. (7)

**Q-7 Attempt all questions (14)**

- a) Explain precipitation reaction in different medium with help of diagram. (7)
- b) Explain the process of T cell maturation, activation and differentiation (7)

**Q-8 Attempt all questions (14)**

- a) Explain the structure, characteristics and function of IgG. (7)
- b) Write a short note on any one organs involved in the adaptive immune response (7)

