

Parul Institute of Nursing
3rd Term BSC Nursing exam

Total marks:25

microbiology

Q:1 Essay type questions (1 out of 2)

9x1=9

1. What is precipitation reaction? Explain lattice hypothesis, precipitation curve and different precipitation reactions in detail.
2. What is immunity? Describe different types of immunity and difference between active and passive immunity.

Q:2 Short answer questions (3 out of 4)

3x2=6

1. Explain cold chain for vaccination and its use.
2. What is VVM? Explain the color changes on OPV vaccine.
3. What is epitope and paratop?
4. Explain different types of Immunofluorescence test and its use.

Q:3 Short note questions (2 out of 3)

2x5=10

1. Short note on National immunization Schedule.
2. Enlist different types of Hypersensitivity reactions. Explain Type 1 Hypersensitivity reaction in detail.
3. What is ELISA test? Explain different types of ELISA test and its utility.

Parul