

[LP 0819]

AUGUST 2019

Sub. Code: 2902

B.Sc. MICROBIOLOGY
(New Syllabus 2018-2019)

FIRST YEAR

PAPER II – VIROLOGY

Q.P. Code: 802902

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on:

(3 x 10 = 30)

1. Define structure and method of discovery of viral receptor.
2. Morphology of virus.
3. Virus persistence in- vitro.

II. Write notes on:

(8 x 5 = 40)

1. Endocytosis.
2. Cellular interaction.
3. Drug resistance.
4. –Replication of rota virus.
5. Cell injury markers.
6. Vaccine delivery.
7. Methods of purification.
8. Cytokines enumerate and its functions.

III. Short answers on:

(10 x 3 = 30)

1. Chaperons.
2. Immunomodulators.
3. Nuclear localization.
4. Apoptosis.
5. Host cell shut off.
6. Viroids.
7. Interferon.
8. Recombinant vaccine.
9. Diagnosis of viral infection – different method.
10. Enumerate cytokines.
