DG-3138
Third Year B. Sc. (Sem. V) Examination
March/April – 2016
Microbiology : Paper - MB - 14
(Immunology) (New Course)

Time : Hours] [Total Marks : 50

Instructions :

(1) Fillup strictly the details of signs on your answer book.
Name of the Examination :
Third Year B. Sc. (Sem. V)
Name of the Subject :
Microbiology : Paper - MB - 14
Subject Code No. : 3 1 3 8 Section No. (1, 2, ....) : NII

(2) Figures to the right indicate full marks of the question.
(3) Draw neat and labelled diagrams wherever necessary.

1 Give specific answers :

(a) What is the ectoparasite ? Give an example of it.
(b) State the term : virus shedding and cell tropism.
(c) State the two arms of specific immunity with their role.
(d) Give definition and importance of cluster of differentiation molecule.
(e) Give general forms of macro molecule vaccines.
(f) Define the termatopic allergy with suitable example.

2 Comment on / Explain any two of the following :

(a) There are major differences between inactivated and attenuated vaccines.
(b) Immuneofluorescence techniques are very important for determination of diseases.
(c) Type III hypersensitivity involves the formation and deposition of immune complexes at various tissue sites.
3 Attempt any two of the following:

(a) Give detailed account on sequential events of an inflammatory reaction, its contribution to pathogen destruction.

(b) Name two types of immunodiffusion test and describe their operation.

(c) Describe several specific adhesins by which bacterial pathogens attach to host cell.

4 Write short notes on any two of the following:

(a) Two AB Exotoxin transport mechanism.

(b) Gnotobiotic animals

(c) Contact dermatitis.