



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)

<p>नीचे दृष्टावेक निशानीवाणी विगतो उत्तरवडी पर अवश्य बजवी. Fillup strictly the details of signs on your answer book.</p> <p>Name of the Examination : Third Year B. Sc. (Sem. V)</p> <p>Name of the Subject : Microbiology : Paper - MB - 14</p> <p>Subject Code No. : 3 1 3 8 Section No. (1, 2,.....): Nil</p>	<p>Seat No. : <input type="text"/><input type="text"/><input type="text"/><input type="text"/><input type="text"/><input type="text"/></p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; text-align: center; width: 100%;">Student's Signature</div>
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- (2) Figures to the right indicate full marks of the question.
(3) Draw neat and labelled diagrams wherever necessary.

1 Give specific answers : 12

- (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 term atopic allergy with suitable example.

2 Comment on / Explain any **two** of the following : 12

- (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 : **16**
- (a) Give detail 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 : **10**
- (a) Two AB Exotoxin transport mechanism.
 - (b) Gnotobiotic animals
 - (c) Contact dermatitis.
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