



RAN-0944

B. Sc. (Sem. IV) Examination

March / April - 2019

Bioscience

402 : Basic Immunology

Time: 2 Hours]

[Total Marks: 50

सूचना : / Instructions

नीचे दृशविले निशानीवाणी विगतो उत्तरवही पर अवश्य लभवी.
Fill up strictly the details of signs on your answer book

Name of the Examination:

B. Sc. (Sem. IV)

Name of the Subject :

Bioscience

Subject Code No.: 0 9 4 4

Seat No.:

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Student's Signature

Instruction:

- (1) Draw neat and labeled diagrams wherever necessary.
- (2) Figures to the right indicate full marks of the question.

Q.1 Answer as directed.

12

1. Explain - PMNs.
2. Describe in brief secretory immunoglobulin A.
3. Give any two examples of heterophilic antigen.
4. Enlist the various types of lymphocytes.
5. What is organ specific antigen?
6. Define : Immunogen, antigen.

Q.2 Answer any two of the following questions.

14

1. Explain: Species, racial and individual resistance.
2. Write a note on cells of immune system.
3. Describe in brief primary and secondary lymphoid organ of immune system.

Q.3 Answer **any two** of the following questions. **14**

1. Describe in brief basic structure of immunoglobulin.
2. Write a note on - Chemical barrier of host defense.
3. Acquired immunity can be obtained actively or passively - Justify.

Q.4 Write short notes on: (**Any two**) **10**

1. Immunoglobulin M.
2. Acute inflammation.
3. Skin - Ist line of defense.
