

U.G.4th Semester Class Test 2023
ZOOLOGY
Raghunathpur College
Course Code: BZOCCHC403
Course Title: Immunology

Full Marks 20

Time 1 hour

The figures in the right hand side margin indicate marks. Candidates are required to give their answers in their own words as far as practicable.

1. **Answer any five question** 1X 5 = 5
 - a) What is adjuvant?
 - b) Vaccination is which type of immunization?
 - c) Give examples of Live-attenuated vaccine
 - d) The tuberculin skin test is an example of which type of hypersensitivity?
 - e) What is membrane attack complex?
 - f) What do you mean by atopy?
 - g) Write down the composition of C3 convertase

2. **Answer any five questions** 2 X 5 =10
 - a) What is herd immunity?
 - b) What is type-II hypersensitivity? Give example
 - c) Differentiate between active and passive immunity
 - d) What is hemolytic disease of the newborn?
 - e) What are Haptens?
 - f) Write down two function of complement system
 - g) Is natural immunity is better than vaccine-mediated immunity?

3. **Answer any one question** 5X1 =5
 - a) Briefly describe mannose binding lectin pathway of complement activation. 5
 - b) Give a comparative account of different types of hypersensitivity reaction. 5