

C.U.SHAH UNIVERSITY

Summer Examination-2016

Subject Name: Immunology & Clinical Microbiology

Subject Code: 4SC05ICM1

Branch: B.Sc.(Microbiology)

Semester: 5

Date: 27/04/2016

Time: 02:30 To 05:30

Marks: 70

Instructions:

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
 - (2) Instructions written on main answer book are strictly to be obeyed.
 - (3) Draw neat diagrams and figures (if necessary) at right places.
 - (4) Assume suitable data if needed.
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Q-1 Attempt the following questions (14)

- a) What is epitope?
- b) Name two anatomic barriers of nonspecific host defenses.
- c) Which cell releases histamine during inflammation?
- d) Draw a diagram of B-lymphocyte.
- e) What is equilibrium?
- f) Name any two autoimmune diseases.
- g) What do you mean by active immunity?
- h) What do you mean by vasodilation?
- i) Define cytotoxicity.
- j) What is monoclonal antibody?
- k) Which test is used to decide blood group?
- l) What is antiserum?
- m) What do you mean by exogenous antigen?
- n) Which disease can be diagnosed with ELISA test?

Attempt any four questions from Q-2 to Q-8

Q-2 Discuss basic structure of immunoglobulin. Describe its various classes in detail. (14)

Q-3 Discuss various techniques of agglutination and its inhibition in detail. (14)

Q-4 Attempt all questions (14)

- a) Give an overview of humoral and cell mediated branches of immune system. (7)
- b) Discuss the differences between primary and secondary immune response in detail. (7)



