2014

M.Sc.

3rd Semester Examination

BIOCHEMISTRY

o briegil PAPER-BIC-302

Full Marks ned Col

Time: 2 Hours

The figures in the right-hand margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

Illustrate the answers wherever necessary.

Group—A

- 1. Answer any five questions from the following: 2×5
 - (a) What is clonal selection theory?
 - (b) Define ADCC.
 - (c) Write the function of complement.
 - (d) What is anergy?
 - (e) What do you mean by plasticity of T-cell.
 - (f) What are defensin molecules?
 - (g) Differentiate innate & adaptive immunity.
 - (h) Compare between epitope & paratope.

Group-E

	Answer any $t\omega \sigma$ questions from the following $z=SX'$
n.	What are the important properties of immune system.
ŵ.	Draw the markers present on the surface of T-lymphocytementioning their ligarid and functions.
٠,	Justify the changes observed in the structure of a antibody molecule patter the treatments with bota mercaptoethanol, pepsin and papain.
æ.	Describe the immunological function of IgE & igA.
	GroupC
	Answer any two questions from the following: 10×3
ψ.,	What is antigen processing? Elucidate the mechanism of the cytosolic pathway and antigen presentation.
n .	What do you mean by DAMP? Write about the role of The in innate immune response against microbes.
1	Denne antibody diversity? flow the most possible numbers of lg gene generated?
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.•	Now monoclonal antibody (MAB) prepared real laboratory? What are the importance of MAD?