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**B.Sc. IN MEDICAL LABORATORY
TECHNOLOGY (BMLT)**

Term-End Examination

December, 2017

**BAHI-011 : APPLIED SEROLOGY, IMMUNOLOGY
AND MICROBIOLOGY**

Time : 3 hours

Maximum Marks : 70

Note : Answer any six questions. Question no. 8 is compulsory.

1. (a) Define immunoglobulins. 1+3+4=8
(b) Enumerate various types of immunoglobulins.
(c) Draw well label diagram of immunoglobulin Ig G.

2. (a) Define immunity. 2+6=8
(b) Classify immunity giving examples for each one.

3. (a) What is ELISA ? 1+2+5=8
(b) Write the principle of ELISA.
(c) Enlist the use of ELISA technology in clinical diagnostic procedures.

4. (a) Define Hypersensitivity. 2+6=8
(b) Classify Hypersensitivity reactions giving clinical examples for each one.

5. (a) Define Auto-immunity. 1+3+4=8
(b) Name autoimmune disorders.
(c) Describe the mechanisms of Autoimmunity.
6. (a) Define Complement and Complement System. 3+5=8
(b) Describe the classical complement pathway.
7. (a) What is PCR ? 1+5+2=8
(b) Describe stages and mechanism procedures of PCR.
(c) Give its diagnostic applications.
8. Write short notes on any five of the following : 5x6=30
(a) Nosocomial infection
(b) Atopy
(c) Presumptive Coliform Count
(d) Pasteurisation of milk
(e) Live attenuated vaccines
(f) Fluorescent antibody tests
(g) Blood transmitted diseases
(h) Quality Control procedures employed in Antibiotic susceptibility Testing.
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