

P. S. SCIENCE & H. D. PATEL ARTS COLLEGE, KADI

Internal Examination

B. Sc. SEM - VI

[Mark : 40

11-3-2017]

Fundamentals of Immunology

[1-30 to 3-30

CC - 601

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1. **Attempt all the Questions.** 10
- (1) _____ is single lobed nucleus, heavily granulated that stains Methylene blue.
(A) Neutrophils (C) Basophils
(B) Eosinophils (D) Mast cells
- (2) Paul Langerhans identified dendritic cells.
(A) True (B) False
- (3) Define Innate Immunity
- (4) _____ is situated high in left abdominal cavity.
(A) Spleen (B) Bone marrow (C) Thymus (D) Lymph
- (5) Define Blood.
- (6) _____ proposed the structure of Immunoglobulin.
(A) Waksman (B) Rodney Porter (C) Pasteur (D) None of them
- (7) Expand Fab.
- (8) _____ is first to be produced at primary immune response
(A) IgG (B) IgD (C) IgA (D) IgM
- (9) An Antigen has binding site called _____
(A) Epitope (B) Immunogen (C) Antidoby (D) All of them
- (10) _____ is a primary lymphoid organ.
(A) Liver (B) Pancreas (C) Bone Marrow (D) Heart
2. **Attempt any FOUR carries 5 marks.** 20
- (1) What is Haemetoposis ?
(2) What are Adjuvants ?
(3) Name cells of Immune System
(4) Difference between B cells and T cells
(5) Define Haptens
(6) What are the properties of that make them Antigen ?
3. **Attempt any ONE carry 10 marks.** 10
- (1) Explain Immunoglobulins.
(2) Describe Primary Lymphoid organs.
(3) Describe Monoclonal Antibodies.
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