

DR.V.S.KRISHNA GOVT DEGREE COLLEGE (A), VISAKHAPRATNAM

ZOOLOGY

ELECTIVE PAPER: VII-(A)*: IMMUNOLOGY

SEMESTER - VI

Time : 3 hrs

Max.mar : 60

SECTION -A

I. Answer any five of the following and draw a neat labelled diagram whenever necessary

5x8 = 40

1. a. Write an essay on the innate immunity
(OR)
b. Describe the cells of immune system
2. a. Write an essay on basic properties of antigens
(OR)
b. Describe the B and C-cell epitopes, haptens and adjuvants
3. a. Write an essay on the structure of antibodies with neat labelled diagram
(OR)
b. write an essay on the monoclonal antibodies
4. a. Describe the exogenous and endogenous pathway of antigen presentation and processing
(OR)
b. Explain the structure and function of major histocompatibility complexes
5. a. Write an essay on the classification of various types of hypersensitivities
(OR)
b. Write an essay on the various types of vaccines

SECTION - B

II. Answer any five of the following and draw a neat labelled diagram whenever necessary

5x4 = 20

6. Acquired immunity
7. T-lymphocytes
8. Antigens
9. Antibody functions
10. Antigen presentation
11. Hypersensitivities
12. Immunodeficiency
13. Immunization programme

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