



उत्तराखण्ड मुक्त विश्वविद्यालय, हल्द्वानी (नैनीताल)

M.Sc. IInd YEAR ASSIGNMENT

Last date of Submission: 15/05/2014

(जमा करने की अन्तिम तिथि. 15/05/2014.)

Course Title: IMMUNOLOGY

Course Code: ZO-551

Year: 2013-14

Maximum Marks: 40

सत्र- 2013.14

अधिकतमअंक- 40

Section 'A' contains 08 short answer type questions of 5 marks each. Learners are required to answers 4 questions only. Answers of short answer-type questions must be restricted to 250 words approximately.

Briefly discuss the following:

- 1- Give the difference between Helper T cell (T_H cell) and Cytotoxic T cell (T_C cell)?
- 2- Discuss about class Ist and class IInd MHC molecules?
- 3- Recombinant DNA vaccines?
- 4- Enumerate the T-cell and B-cell deficiency disease?
- 5- Acquired Immune Deficiency Syndrome (AIDS)?
- 6- Explain the NK cells?
- 7- Give the brief account of Acquired Immunity?
- 8- Secondary Lymphoid Organs?

Section 'B' contains 04 long answer-type questions of 10 marks each. Learners are required to answers 02 questions only.

- 1- Describe the different type of hypersensitivity reaction?
- 2- Explain in detail the antigen antibody interaction?
- 3- Discuss the Hybridoma Technology and give the production of monoclonal antibodies?
- 4- Elaborate on the molecular basis of antibody diversity and write a note on class switching?



