



# उत्तराखण्ड मुक्त विश्वविद्यालय, हल्द्वानी (नैनीताल)

M.Sc. II<sup>nd</sup> YEAR ASSIGNMENT

*Last date of Submission: 15/05/2016*

(जमा करने की अन्तिम तिथि. 15/05/2016.)

**Course Title: IMMUNOLOGY**

**Course Code: ZO-551**

**Year: 2015-16**

**Maximum Marks: 40**

सत्र- 2015.16

**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- Write briefly the role of accessory cells in immune response?
- 2- Write a short note on Innate and acquired immunity?
- 3- Recombinant DNA vaccines?
- 4- Enumerate the T-cell and B-cell deficiency disease?
- 5- Write a note on Clonal Selection theory)?
- 6- Explain the M.H.C associated disease?
- 7- Give the brief account of Acquired Immunity?
- 8- Explain the factors influencing antibody production?

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

1. Elaborate on the molecular basis of antibody diversity and write a note on class switching?
- 2- Describe the characteristic feature of various antibody classes and give their biological features?
- 3- Explain in detail the antigen antibody interaction?
- 4- What is autoimmunity? How it occurs? Classify the autoimmune diseases?

