



# उत्तराखण्ड मुक्त विश्वविद्यालय, हल्द्वानी (नैनीताल)

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

*Last date of Submission: 15/05/2015*

(जमा करने की अन्तिम तिथि. 15/05/2015.)

Course Title: Animal Biotechnology

Course Code: ZO-552

Year: 2014-15

Maximum Marks: 40

सत्र- 2014.15

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- Briefly explain the process of bio-augmentation.
- 2- Explain the Polymerase Chain Reaction for disease diagnosis in aquaculture?
- 3- Write a short note on Biocontrol agent?
- 4- Write a short note on Green Manuring?
- 5- Give the advantage and limitation of composting?
- 6- Briefly describe Cell Bank?
- 7- Cryopreservation?
- 8- Tumor suppressor gene?

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

- 1- Explain detail about cytoplasmic oncoprotein and nuclear oncoprotein?
- 2- How are recombinant and transgenic organism generated? What is the aim of transgenesis?
- 3- Explain the zoo and phyto-remediation?
- 4- Describes the type of waste water treatment and its utilization?

