



# उत्तराखण्ड मुक्त विश्वविद्यालय, हल्द्वानी (नैनीताल)

M.Sc. 1<sup>st</sup> YEAR ASSIGNMENT

Last date of Submission: 31/07/2015

(जमा करने की अन्तिम तिथि. 31/07/2015.)

Course Title: Animal physiology and physiological Chemistry  
Year: 2014-15

Course Code: ZO-503  
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- Co-enzymes.
- 2- Briefly describe the Embden Meyerhof Pathways?
- 3- Explain the transport of ions?
- 4- What are the hormones of pituitary gland ?
- 5- Describe the concept of Poikilothery ?
- 6- Give the classification of Amino acid based on the structure?
- 7- Explain the cardiac cycle in mammals?
- 8- Structure and classification of polysaccharides?

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

- 1- How are the respiratory gases transported by blood in vertebrates ?
- 2- Describe the biosynthesis of fatty acid ?
- 3- Describe the digestion of carbohydrate, Protein and Fats?
- 4- Explain the Urea cycle and briefly describe the formation of urine ?



