



उत्तराखण्ड मुक्त विश्वविद्यालय, हल्द्वानी (नैनीताल)

M.Sc. 1st YEAR ASSIGNMENT

Last date of Submission: 15/05/2014

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

Course Title: Human Cytogenetic and Developmental Biology

Course Code: ZO-504

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- Mammalian cleavage?
- 2- Abnormal development?
- 3- Briefly describe the mutation?
- 4- Explain Fluorescence In Situ Hybridization (FISH)?
- 5- Write a brief note on X-linked inheritance?
- 6- What do you understand by biochemical disorder?
- 7- Segmentation gene?
- 8- Classification of chromosomes?

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

- 1- Briefly describe the principle of Recombinant DNA technology?
- 2- Describe the process of DNA repair system?
- 3- Explain in detail the staining & banding patterns of chromosomes?
- 4- Give an detail account of fertilization ?

