

GDC Rajampeta, Annamayya Dt.
Department of Zoology
Activities 2025-26

1. Name of the Activity	Extension Lecture
2. Name of the lecturer	Dr. N. Chandra Mohan
3. Date	05-01-2026
4. Number of students participated	07
5. Number of faculty involved	01

6. Aim & Objectives – to the students

- Provide more information about Embryology.
- Provide knowledge about the notes preparation on subject topics.
- Provide knowledge on writing answers at the time of examinations.
- Changing the class room environment.
- To get rapport with other college staff.

7. Brief Report :

Dr. N. Chandra Mohan, Lecturer in Zoology has given a **Extension lecture** on Embryology to the second year zoology students at Govt. Degree College, Koduru RS, Annamayya Dt. On **05-01-2026**.

- Embryology is the branch of biology studying the prenatal development of gametes, fertilization, and the development of embryos and fetuses from conception to birth. It covers critical stages like cleavage, gastrulation, and organogenesis, essential for understanding congenital anomalies and genetic disorders.

Key Aspects of Embryology

Definition: The study of the formation, growth, and development of an embryo.

Stages of Development:

Fertilization: Fusion of male (sperm) and female (egg/oocyte) gametes to form a zygote.

Cleavage & Blastocyst: The zygote divides rapidly into a ball of cells, becoming a blastocyst.

Implantation: The blastocyst attaches to the uterine endometrium.

Gastrulation & Organogenesis: Formation of three germ layers (ectoderm, mesoderm, endoderm) that differentiate into tissues and organs.

Fetal Stage: From the ninth week (in humans) until birth, focus is on growth and functional maturation.

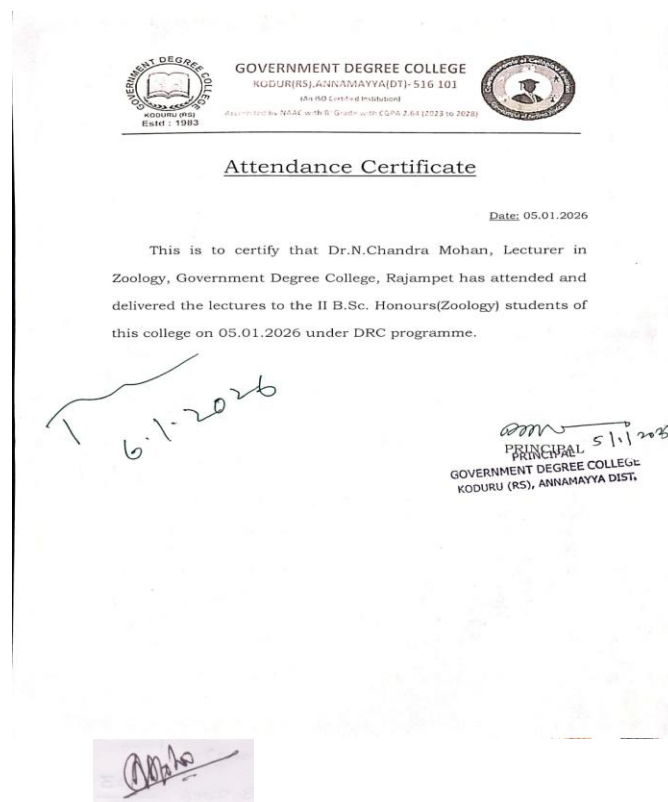
Medical Significance: Used for detecting birth defects, understanding genetic disorders, and in infertility treatments (IVF).

Programme outputs :

- Students gain more knowledge about Embryology.
- Students felt very happy about this programme.



Extension lecture by Dr. N. Chandra Mohan



Signature of the lecturer: Dr. N. Chandra Mohan