

# **Govt. Degree College, Rajampeta**

## **Department of ZOOLOGY**

**Academic year: 2024-25**

<b>1. Name of the Activity</b>	<b>GROUP DISCUSSION</b>
<b>2. Name of the Lecturer</b>	<b>Dr. N. Chandra Mohan</b>
<b>3. Date</b>	<b>01-11-2024</b>
<b>4. Number of students participated</b>	<b>09</b>
<b>5. Number of faculty involved</b>	<b>1</b>
<b>6. Aim &amp; Objectives:</b> <ul style="list-style-type: none"><li>• To Gain the knowledge about the general characters of birds.</li><li>• To know the flight adaptations in birds.</li><li>• To change the class environment.</li><li>• To enhance the thinking power of students.</li><li>• To improve the discussion skills of students.</li></ul>	
<b>7. Brief Report:</b> <ul style="list-style-type: none"><li>➤ I (Dr. N. Chandra Mohan) conducted a Group Discussion Programme to III Sem Students on 01-11-2024.</li><li>➤ From this programme the students were divided into 3 groups. All the students discussed the topic “Flight adaptations in Birds”</li><li>❖ Birds, over millions of years, have developed not just wings, but a variety of adaptations that assist them in flying. Birds have a solid, yet lightweight bone structure. This is accomplished by merging and removing some bones while hollowing out the rest. Some bones of the pelvic girdle and vertebrae are fused together. Broadly, there are three kinds of flight adaptations in birds: Morphological Adaptations, Anatomical Adaptations and Physiological adaptations.</li><li>❖ Body shape, beak, wings and feathers and hind limbs</li><li>❖ Flight muscles, Pneumatic bones, furcula, synsacrum, pygostyle, sternum with keel and pecten in eyes.</li><li>❖ Gizzard, absence of gall bladder and urinary bladder, large heart, double respiration, presence of right aortic arch and presence of only left ovary.</li></ul>	



**Students discussed the topic - Flight adaptations in Birds.**

**Discussed points**

- 1. Birds character**
- 2. Peculiar characters of birds**
- 3. Flight adaptations of birds - Morphological, Anatomical and Physiological.**

**Signature of the lecturer: Dr. N. Chandra Mohan**
