

**DEPARTMENT OF ZOOLOGY  
R.S.P. COLLEGE, JHARIA DHANBAD**

**B.Sc. Semester II Zoology (Hons.)**

**1<sup>st</sup> Internal Examination, 2021**

**Paper- C-3 (Cell Biology)**

**FM- 15 marks**

**Answer any three:**

- Q1. Describe the structure & function of plasma membrane with suitable diagrams.**
- Q2. Write an essay on structure & function of mitochondria.**
- Q3. Describe the structure & function of chromosome.**
- Q4. What is mitosis? Explain any two mitotic stages with suitable diagrams.**
- Q5. Short notes on any two:**
- a. Cell junctions**
  - b. Lysosomes**
  - c. Light microscope**

**DEPARTMENT OF ZOOLOGY  
R.S.P. COLLEGE, JHARIA DHANBAD**

***B.Sc. Semester II Zoology (Hons.)***

***1<sup>st</sup> Internal Examination, 2021***

***Paper- C-4 (Diversity of Chordates)***

***FM- 15 marks***

***Answer any three:***

- Q1. Write the general characters and affinity of Amphioxus.***
- Q2. What is retrogressive metamorphosis? Explain with the help of Herdmania***
- Q3. Write an essay on accessory respiratory organs in fishes.***
- Q4. Write an essay on origin & evolution of Amphibia***
- Q5. Explain Paedogenesis & neoteny with special reference to Axolotl larva.***

**DEPARTMENT OF ZOOLOGY  
R.S.P. COLLEGE, JHARIA DHANBAD**

**B.Sc. Semester II Zoology (Hons.)**

**1<sup>st</sup> Internal Examination, 2021**

**Paper- P 2 Practical**

**FM- 10 marks**

**Q1. Spotting:**

**2x5 = 10 marks**

- a) *Exocoetus*
- b) *Draco*
- c) *Pectoral Girdle of Rabbit*
- d) *Radio- ulna of frog*
- e) *T.S of Stomach*

**DEPARTMENT OF ZOOLOGY  
R.S.P. COLLEGE, JHARIA DHANBAD**

**B.Sc. Semester II Zoology (GE)**

**1<sup>st</sup> Internal Examination, 2021**

**Paper: Theory**

**F.M= 15Marks**

**Answer any three:**

- Q1. Describe the structure & function of plasma membrane with suitable diagrams.**
- Q2. Write an essay on structure & function of mitochondria.**
- Q3. Describe the structure & function of chromosome.**
- Q4. Describe the structure & function of DNA**
- Q5. What is mitosis? Explain the stages of mitosis.**

**DEPARTMENT OF ZOOLOGY  
R.S.P. COLLEGE, JHARIA DHANBAD**

**B.Sc. Semester II Zoology (GE)**

**1<sup>st</sup> Internal Examination, 2021**

***Paper: Practical***

***F.M = 05 marks***

**Q1. Spotting: Any Two**

**2.5 x 2 = 05**

- a) ***Anaphase***
- b) ***Analogous organ***
- c) ***Archeopteryx***