

U.G.6<sup>th</sup> Semester Class Test 2023  
ZOOLOGY  
Raghunathpur College  
Course Code: BZOOCCHC601  
Course Title: Developmental Biology

Full Marks 20

Time 1 hour

*The figures in the right hand side margin indicate marks. Candidates are required to give their answers in their own words as far as practicable..*

**1. Answer any five question**

**1X 5 =5**

- a) What is grey crescent?
- b) Give one example of telolecithial egg
- c) What is fertilizinn?
- d) What is epiboly?
- e) What is bottle cells?
- f) Define teratogenesis
- g) What is Preeclampsia?

**2. Answer any five questions**

**2 X 5 =10**

- a) Give two examples of teratogen
- b) Write down the causes of Microcephaly
- c) Write any two defects due to teratogenesis
- d) Differentiate between area opaca and area pellucida
- e) Write down the role of blastopore lip
- f) What is acrosome reaction?
- g) Differentiate between spermiogenesis and spermiation

**3. Answer any one question**

**5X1 =5**

- a. Describe prevention of polyspermy in mammals. 5
- b. What is capacitation? Write down the process of egg and sperm recognition in internal and external fertilization. 1+4
- c. What is resact and bindin? Write down the role of these two. 2+3