

B.Sc.- II (CBCS Pattern) Semester-IV  
**USCZOT07 - Zoology Paper-I - Developmental Biology**

P. Pages : 2

Time : Three Hours



**GUG/S/25/12004**

Max. Marks : 50

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- Notes : 1. All questions are compulsory carrying equal marks.  
2. Draw well labeled diagram wherever necessary.

1. Write a note on Classification of Egg on the basis of amount and distribution of yolk. **10**

**OR**

Write a short note on-

- a) Cleavage and their types. **5**  
b) Types of Blastula. **5**

2. Write a note on Extra-embryonic Membrane in Chick. **10**

**OR**

Write a short note on-

- a) Emboly in Frog. **5**  
b) Primitive Streak. **5**

3. Write a note on Type of Placenta on the basis of Histology. **10**

**OR**

Write a short note on-

- a) Types of Implantation. **5**  
b) Structure of Ovum. **5**

4. Write a note on Mechanism of Apoptosis. **10**

**OR**

Write a short note on-

- a) IVF. **5**  
b) Semen Bank. **5**

**5.** Write 4 or 5 lines on each of the following **any ten**.

**10**

- i) Chalazae.
- ii) Fertilization Membrane.
- iii) Amphimixis.
- iv) Grey Crescent.
- v) Blastopore.
- vi) Area Pellucida.
- vii) Spermiogenesis.
- viii) Corona Radiata.
- ix) Primary Spermatocyte.
- x) Egg Retrieval.
- xi) Copper T.
- xii) Caspases.

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