

**SECTION-C**

5. What is the role of three germinal layers in frog ? 7  
6. Explain the fate maps in chick. 7

**SECTION-D**

7. Describe formation and role of foetal membranes. 7  
8. Write notes on :  
(a) Ageing  
(b) Regeneration. 3.5×2

**Exam. Code : 103205**

**Subject Code : 1343**

**B.A./B.Sc. 5<sup>th</sup> Semester**

**ZOOLOGY ZOO-VA (Developmental Biology)**

Time Allowed—3 Hours]

[Maximum Marks—35

**Note :-** Attempt **FIVE** questions in all, selecting at least **ONE** question from each section. The **fifth** question may be attempted from any section. All questions carry equal marks.

**SECTION-A**

1. Explain spermatogenesis and highlight role of subtesticular cells. 7  
2. Write notes on the following :  
(a) Egg membranes  
(b) Parthenogenesis  
(c) Fertilization. 2+2+3

**SECTION-B**

3. Describe embryonic development of *Herdmania*. 7  
4. (a) Highlight roles of the organizer and inductors.  
(b) Explain gastrulation and its significance. 3.5×2