

D.K.M.COLLEGE FOR WOMEN (AUTONOMOUS), VELLORE-1
SEMESTER EXAMINATIONS
NOVEMBER - 2016
DEVELOPMENTAL BIOLOGY

RZO5B

Time: 3 Hrs**Max.Marks: 75****SECTION-A (10 x 2 =20)****Answer ALL the questions.**

1. Name the type of egg seen in birds.
2. Sertoli cells.
3. Anti – fertilizin.
4. Lacerta.
5. Gastrula
6. Holoblastic cleavage.
7. Neurogenesis.
8. Diffuse placenta.
9. Corpus luteum.
10. GIFT.

SECTION-B (5 x 5 =25)**Answer any FIVE of the following questions.**

11. Explain Spermiogenesis with a neat labelled diagram.
12. Write short notes on Arrhenotoky.
13. Describe cleavage in chick.
14. Write the embryonic membranes and their functions in chick.
15. Briefly explain the phases in menstrual cycle.
16. Describe the planes and patterns of cleavage.
17. Explain about the egg membranes.
18. What are the types of fertilization and its significance?

SECTION-C (3 x 10 =30)**Answer ALL the questions.**

19. (a) Explain Oogenesis with a neat labelled diagram.
 (Or)
 (b) Narrate the mechanism of fertilization.
20. (a) Draw and explain the gastrula formation in frog.
 (Or)
 (b) Describe the development of brain in frog.
21. (a) Explain the techniques adopted in Assisted Reproductive technique.
 (Or)
 (b) Write the classification of placenta in mammals based on the histology.

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