



طلاب الفرقة الأولى بعمل مشروعات بحثية في الموضوعات التالية : **Anat**

1. Types of the ova and the corresponding type of cleavage.
2. Stages of mammalian oogenesis.
3. Spermiogenesis and its stages.
4. Compare between oogenesis and spermatogenesis.
5. Maturation and activation stages of sperms which enable them to penetrate the ova.
6. Mechanism or sequences of fertilization.
7. Compare between polyspermy and parthenogenesis.
8. Procedures of cleavage in amphioxus and amphibians.
9. Procedures of cleavage in mammals and birds.
10. Mechanism of gastrulation in birds.
11. Mechanism of gastrulation in mammals.
12. Formation of fetal membranes in birds.
13. Formation of fetal membranes in mammals.
14. Types and mechanism of implantation as well as ectopic implantation sites.
15. Classification of placentae.
16. Anatomy and structure of Ovary in Mare.
17. Comparative anatomy of Ovary in different domestic animals.
18. Anatomy of Uterine tube and Uterotubal junction in different domestic animals.
19. Anatomy of Mare reproductive tract.
20. Anatomy of Bovine reproductive tract.
21. Anatomy of Ewe reproductive tract.
22. Anatomy of Sow reproductive tract.



23. Anatomy of Bitch reproductive tract.
24. Gross anatomy of Uterus in Cow.
25. Position, Fixation and relation of ovary and uterus in different domestic animals.
26. Comparative anatomy of Uterus in different domestic animals.
27. Anatomy Copulatory organs of Sow and Bitch.
28. Anatomy Copulatory organs of Mare and Cow.
29. Structure & Duct system of bovine mammary glands.
30. Comparative anatomy of the mammary glands in different domestic animals.
31. Lateral line system in fish.
32. Types of scales in fish.
33. Body shapes of fish.
34. Fish gills.
35. Fish cardiovascular system.
36. Swim bladder in fish.
37. Oviparous fish.
38. Ovoviviparous fish.
39. Viviparous fish.
40. Locomotor system of fish.
41. Urogenital system of fish.
42. Types of muscle fiber in fish.
43. Reproductive system in fish.
44. External anatomy of fish.
45. Labyrinth organ in cat fish.



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46. Anatomy of testes in domestic animals.
47. Anatomy of scrotum and prepuce in domestic animals.
48. Anatomy of ductus deference and spermatic cord.
49. Anatomy of accessory genial glands in domestic animals.
50. Anatomy of Penis in domestic animals.