

2024
ZOOLOGY
ZOOL-3034
(Reproductive Biology)
Total Marks : 40
Time : 2 Hours

Total number of printed pages -2

The figures in the margin indicate full marks for the questions

1. Answer any five of the following questions : 2×5= 10
- (a) Name two gonadal disorders in male.
 - (b) Mention the different phases of Estrous Cycle.
 - (c) Define puberty.
 - (d) What are Graafian follicles?
 - (e) What is Lactational Amenorrhea?
 - (f) Define Folliculogenesis.
2. Answer any six of the following questions : 5×6= 30
- (a) Write an explanatory note on Environmental estrogens with suitable examples. 5
 - (b) Describe the various phases of menstrual cycle in mammal with suitable diagram. 5
 - (c) Define ovulation. Describe the mechanism of ovulation with suitable diagram. 1+4=5
 - (d) Explain how a bipotential gonad develops into testis and ovary. 5

- (e) Describe the process of fertilization in mammals with suitable diagram. 5
- (f) Write an explanatory note on major steps in IVF-ET technique. 5
- (g) Define parturition? Write the different steps of parturition in mammals. 1+4=5
- (h) Describe the process of spermatogenesis with suitable diagram. 5

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