

Roll No.

Total Pages : 2

CMDQ/M-24

5609

MOLECULAR REPRODUCTION-II

Paper-M-Z-404

Time Allowed : 3 Hours]

[Maximum Marks : 80

Note : Attempt **five** questions in all, selecting **one** question from each Unit. Question No. **1** is compulsory. All questions carry equal marks.

Compulsory Question

1. Describe the following : 4×4=16
- (a) Oocyte-sperm interaction in mammals.
 - (b) Hormonal regulation in parturition.
 - (c) Immunocontraception.
 - (d) Follicular atresia.

UNIT-I

2. Describe the oocyte-sperm interaction and its importance. 16
3. Write notes on the following :
- (a) Estrous behaviour in cycling animals. 8
 - (b) Chromosomal Sex determination in mammals. 8

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UNIT-II

4. Explain the hormonal regulation during pregnancy in detail. 16
5. Explain the following :
- (a) Placenta as an endocrine organ. 8
 - (b) Milk synthesis and secretion. 8

UNIT-III

6. Describe any four assisted reproductive techniques, also give their Negative aspects. 16
7. Write notes on the following :
- (a) Intrinsic pathway of Apoptosis. 8
 - (b) Surgical methods of Contraception. 8

UNIT-IV

8. Write a detailed note on the Reproductive failure in males. 16
9. Explain the following :
- (a) Testicular hypoplasia. 8
 - (b) Infectious causes of Reproductive failure in females. 8

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2