DHANAMANJURI UNIVERSITY

JUNE – 2021

Name of Programme : M.Sc. Zoology

Semester : Fourth

Paper Code : ZOO-645

Paper Title : Animal Physiology & Endocrinology IV

Full Marks : 40

The figures in the margin indicate full marks for the questions.
Answer all questions.

1. Describe the hormonal control of spermatogenesis. 10

Or

Describe the molecular mechanism of fertilization and prevention of polyspermy in man. 10

2. What is implantation window? Explain the mechanism of implantation in man. 10

Or

Describe the morphological, physiological and molecular aspects of embryo-uterine interactions. 10

3. What is parturition? Describe the neuroendocrine control of parturition. 2+8=10

Or

Write notes of the following: 5X2=10

a) Neuroendocrine control of lactation

b) Hormonal regulation of pregnancy

4. Explain how the oral contraceptives work to cause the inhibition of ovulation. 10

Or

Describe the mechanical methods for control of fertility with reference to intrauterine devices. 10

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