

[Time: 2½ Hours]

[Marks:60]

Please check whether you have got the right question paper.

- N.B:**
1. All questions are **compulsory**.
 2. **Figures to the right indicate full marks.**
 3. **Draw neat labeled diagrams where-ever necessary.**

- Q.1** Describe in detail Hormonal mechanism of Integration. **12**
OR
 Briefly describe
 a) Afferent pathways **06**
 b) Second order neuro-endocrine reflex **06**
- Q.2** Describe in detail spermatogenesis. **12**
OR
 Briefly describe
 a) Prostate gland **06**
 b) Structure of Testis **06**
- Q.3** Write an essay on Mammary glands. **12**
OR
 Briefly describe
 a) Structure of uterus **06**
 b) Estrus cycle **06**
- Q.4** Describe in detail hormonal methods of contraception **12**
OR
 Briefly describe
 a) Male sterility **06**
 b) Regulation of Female fertility **06**
- Q.5** Write short notes on **any two** of the following
 a) Third order neuro-endocrine reflex **06**
 b) Steriodogenesis **06**
 c) Structure of Fallopian tubes **06**
 d) Non-hormonal methods of contraception. **06**