

2022

PHYSIOLOGY

[HONOURS]

(B.Sc. Sixth Semester End Examination-2022)

PAPER-C14T

Full Marks: 40

Time: 02 Hrs

The figures in the right hand margin indicate marks

Candidates are required to give their answers in their own words as far as practicable

Illustrate the answers wherever necessary

1. Answer any FIVE questions of the following: 5x2= 10

- a) What is liquor folliculi?
- b) Write the function of corpus luteum.
- c) What is pluripotent stem cell?
- d) What is reflex ovulation?
- e) Define LH surge.
- f) What do you mean by decidual cell?
- g) What is spermiogenesis?
- h) Mention the cause of cryptorchidism.

2. Answer any FOUR questions of the following: 4x5 = 20

- a) Describe different stages of mammary gland development. What is lactational amenorrhea? 3+2

(2)

- b) What is Spermiation? Discuss in brief the hormonal control of spermatogenesis 1+4
- c) Discuss the changes occur in uterus during menstrual cycle. What is gastrulation? 4+1
- d) Explain :- i) Parturition ii) Lactopoiesis $2\frac{1}{2} \times 2$
- e) Mention the changes occur during pregnancy. What is implantation? 4+1
- f) What are the peculiarities of foetal circulation? Define suckling reflex. 3+2

3. Answer any ONE questions of the following: 1x10 = 10

- a) Discuss the process of Cogensis. What is polar body? Define acrosomal reaction and sperm capacitation. 4+1+2+3
- b) Discuss the developmental process of heart in embryo. Mention the role of hormone in lactation. Write the importance of hCG. 6+2+2