

U.G. 6th Semester Examination-2022**PHYSIOLOGY****[HONOURS]****Course Code : PHYSIOL-H-CC-T-13****(Reproductive Function)**

Full Marks : 40

Time : 2½ Hours

*The figures in the right-hand margin indicate marks.**Candidates are required to give their answers in their own words as far as practicable.*

1. Answer any **five** questions: $2 \times 5 = 10$
 - a) What is delayed puberty?
 - b) What are monoestrous and polyestrous animals?
 - c) What is inhibin? From where is it secreted?
 - d) What do you mean by galactopoiesis?
 - e) Name the accessory reproductive organs of males.
 - f) What is the difference between monozygotic and dizygotic twins?
 - g) What is the function of sertoli cell?
2. Answer any **two** questions: $5 \times 2 = 10$
 - a) What is the source of oxytocin? Discuss the

role of oxytocin in parturition and milk ejection. $1+2+2=5$

- b) What is implantation? Discuss the process of implantation critically. $1+4=5$
 - c) What is lactation? Discuss milk ejection reflex with a suitable diagram. $2+3=5$
 - d) What is trilaminar germ disc? Is oogenesis a continuous process? $2+3=5$
3. Answer any **two** questions: $10 \times 2 = 20$
 - a) Critically discuss the hormonal control of spermatogenesis. What is vasectomy? $8+2=10$
 - b) What is gestation? Discuss the different physiological changes which occur during pregnancy. $2+8=10$
 - c) Discuss about the different modern techniques adopted for fertility control. What is Decidua? $8+2=10$
 - d) Discuss the development of Graafian follicle with a diagram. What do you mean by LH surge? $8+2=10$
