

B.Sc. 6th Semester (Honours) Examination, October 2020

Subject: PHYSIOLOGY

Course ID: 62511

Course Code: SH/PHY/601/C-13 (T)

Course Title: Reproduction

Full Marks: 15

Time: 45 Minutes

The figures in the margin indicate full marks.

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

Answer all the questions.

UNIT I

1. Answer any three of the following questions: (1×3=3)
- (a) What is blood testis barrier?
 - (b) Define fertilization.
 - (c) What is cryptorchidism?
 - (d) Write any one function of hCG.
 - (e) Define MIF.
 - (f) Write the reason of Froehlich's syndrome?
 - (g) What is LH surge?
 - (h) What is meant by amenorrhoea?

UNIT II

2. Answer any two of the following questions: (3×2=6)
- (a) Write the physiological functions of testosterone. 3
 - (b) What is syncytiotrophoblast? State its role. 1+2=3
 - (c) Write a short note on oogenesis. 3
 - (d) Briefly mention the histological structure of testis. 3
 - (e) Write any one method of pregnancy test. 3
 - (f) State the role of hormones in menstrual cycle. 3

UNIT III

3. Answer *any one* of the following questions: (6×1=6)

(a) Mention the physiological changes that take place during pregnancy. What do you mean by parturition? 5+1=6

(b) Mention the hormonal control of spermatogenesis. 6