

B.Sc. Semester-VI Examination, 2022-23**PHYSIOLOGY [Honours]**

Course ID : 62511 Course Code : SH/PHY/601/C-13(T)

Course Title : Reproduction

Time : 1 Hour 15 Minutes

Full Marks : 25

*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 from the following:

1×5=5

- What do you mean by Wharton's Jelly?
- What is 'Colostrum'?
- Write the names of any two hormones of placenta.
- State the function of feto-placental unit.
- Write any two functions of epididymis.
- What are primordial follicles?
- Define parturition.
- Mention the definition of spermiogenesis.

2. Answer any **two** questions from the following :

5×2=10

- What do you mean by menopause? Write the process of ovulation in brief. 2+3
- Describe the histology of testis with labelled diagram. 3+2
- What is oogenesis? Describe the different phases of oogenesis. 2+3
- Describe the different factors affecting spermatogenesis. Write the function of Leydig cell. 3+2

3. Answer any **one** question from following:

10×1=10

- Describe the different phases of ovarian cycle. Discuss the changes in graafian follicle before ovulation. 6+4
- Write in brief about the process of implantation. Describe the natural process to prevent polyspermy in human. 6+4
