



WEST BENGAL STATE UNIVERSITY

B.Sc. Honours 6th Semester Examination, 2021

PHYACOR13T-PHYSIOLOGY (CC13)

REPRODUCTIVE FUNCTION

Time Allotted: 2 Hours

Full Marks: 40

*The figures in the margin indicate full marks.
Candidates should answer in their own words and adhere to the word limit as practicable.*

Answer any five questions from the following

8×5 =40

1. Write notes on any **two** of the following: 4×2 = 8
 - (a) Blood-testis barrier
 - (b) Mullerian duct inhibiting factor
 - (c) Pregnancy Test
 - (d) Oogenesis.
2. Describe the hormonal control of mammary gland development. Comment on 'milk-let-down'. 5+3
3. Describe the ovarian changes in follicular and ovulatory phases in relation to the different hormonal levels in blood during the normal menstrual cycle. 4+4
4. What is capacitation? Mention the physiological importance of capacitation. 4+4
5. (a) Describe the different stages of spermiogenesis. 4+2+2
(b) What is spermiation?
(c) State the secretory functions of Sertoli cells.
6. (a) Describe the various signals necessary for the process of implantation and maternal recognition of pregnancy. 6+2
(b) What is the function of relaxin?
7. (a) Describe the marked physiological changes in mother's body during pregnancy. 4+4
(b) Discuss the role of hCG in maintenance of pregnancy.
8. (a) What is atretic follicle? 2+2+4
(b) What is Klinefelter syndrome?
(c) What are the different causes of precocious puberty?

N.B. : *Students have to complete submission of their Answer Scripts through E-mail / Whatsapp to their own respective colleges on the same day / date of examination within 1 hour after end of exam. University / College authorities will not be held responsible for wrong submission (at in proper address). Students are strongly advised not to submit multiple copies of the same answer script.*

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