

# **BIOLOGY**

## **BOOKS - SARAS PUBLICATION**

### **HUMAN REPRODUCTION**

Example

1. Define gametogenesis.



2. What is placenta?



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3. Define spermiogenesis



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4. Define menstrual cycle. Explain its various phase.



**5.** What is corpus albicans?



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**6.** What is meant by acrosomal reaction?



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7. What is cryptorchism?



8. Define menarche



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**9.** What is Polycystic ovary syndrome (PCOS)?



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**10.** What is the neurohumoral reflex caused during parturition?

**11.** Mention the differences between spermiogenesis and spermatogenesis.



**12.** Difference between Secondary follicle and Corpus luteum.



**13.** Differentiate Spermatogenesis and oogenesis.



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**14.** Give the types of twins formed during pregnancy with their alternative names.



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Exercise

**1.** The Androgen Binding Protein (ABP) is produced by

A. Leydig cells

B. Hypothalamus

C. Sertoil cells

D. Pituitary gland

### Answer:



2.	The	glandular	accessory	organ	which
pro	oduce	s the larges	t proportior	n of sem	en is

- A. Seminal vesicle
- B. Bulbourethral gland
- C. Prostate gland
- D. Mucous gland

#### **Answer:**



3. The other na	me of bulboure	thral gland is.
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- A. Prostate gland
- B. Skene's gland
- C. Vestibular gland
- D. Cowper's gland

#### **Answer:**



4. The enzyme which enhances sperm motility						
is						
A. Glutathione transferase						
B. Cyclooxygenase						
C. Vesiculase						
D. Trypsin						





**5.** At what stage of development are the gametes formed in new born male and female?



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**6.** Draw a labeled sketch of a spermatozoan.



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7. Expand the acronyms

- A. FSH B. LH C. hCG D. hPI **Answer:** 
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8. What is the composition of semen?



9. Why is luteal phase called secretory phase?

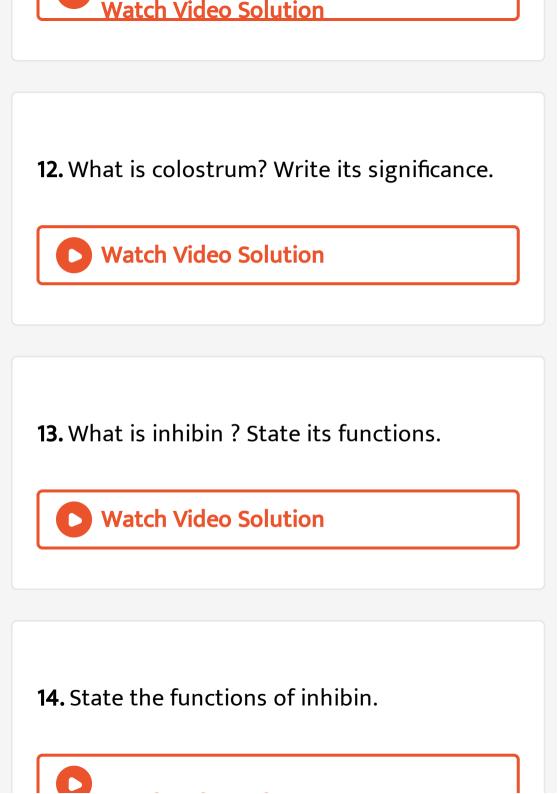


**10.** Which type of pregnancy is considered dangerous? Why?



11. What is colostrum? Write its significance.





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**15.** Mention the differences between spermiogenesis and spermatogenesis.



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**16.** Write about hyaluronidase.



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**17.** Explain the phase in which LH surge occurs.

**18.** The following is the illustration of the sequence of ovarian events (a-i) in a human female.



- (a) Identify the figure that illustrates ovulation and mention the stage of oogenesis it represents.
- (b) Name the ovarian hormone and the pituitary hormone that have caused the above

mentioned events.

(c) Explain the changes that occurs in the uterus simultaneously in anticipation.

(d) Write the difference between C and H.



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19. Explain the changes that occurs in the uterus simultaneously in anticipation.



20. Write the difference between C and H.



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21. What is meant by acrosomal reaction?



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22. Explain the structure of the gland involved in lactation.



