



BIOLOGY

BOOKS - PSEB

HUMAN REPRODUCTION

Exercise

1. Fill in the blanks: Humans reproduce _____ (asexually/sexually)



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2. Fill in the blanks: Humans are _____
(oviparous. Viviparous. Ovoviviparous)



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3. Fill in the blanks: Fertilisation is _____
in humans (extrenal/internal)



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4. Fill in the blanks: Male and female gametes are _____ (diploid/haploid)



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5. Fill in the blanks: Zygote is _____ (diploid/haploid)



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6. Fill in the blanks: The process of release of ovum from a mature follicle is called _____



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7. Ovulation is induced by a hormone called _____.



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8. Fill in the blanks: The fusion of male and female gametes is called _____



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9. Fill in the blanks: Fertilisation takes place in _____



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10. Fill in the blanks: Zygote divides to form _____ which is implanted in uterus.



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11. Fill in the blanks: The structure which provides vascular connection between foetus and uterus is called _____



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12. Draw a well labelled diagram of male reproductive system of man.



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13. Draw labelled diagram of female reproductive system.



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14. Write two major functions each of testes and ovary.



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15. Describe the structure of a seminiferous tubule.



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16. What is spermatogenesis ? Briefly describe the process of spermatogenesis in human male.



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17. Name the hormones involved in regulation of spermatogenesis



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18. Define spermatogenesis and spermiation.



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19. Draw a labelled diagram of sperm.



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20. What are the major components of seminal plasma?



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21. What are the major functions of male accessory ducts and glands?



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22. What is oogenesis? Give a brief account of oogenesis.



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23. Draw a labelled diagram of sperm.



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24. Draw a labelled diagram of a Graafian follicle?



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25. Write the functions of :

Corpus luteum



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26. Write the functions of :

Endometrium



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27. Write the functions of :

Acrosome.



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28. Write functions of :

Sperm tail



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29. Write the functions of :

Fimbriae



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30. Identify True/False statements, Correct each false statement to make it true:

Androgens are produced by Sertoli cells. (True/False)



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31. Identify True/False statements, Correct each false statement to make it true:

Spermatozoa get nutrition from Sertoli cells. (True/False)





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32. Identify True/False statements, Correct each false statement to make it true: Leydig cells are found in ovary.(True/False)



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33. Identify True/False statements, Correct each false statement to make it true: Leydig cells synthesise androgens.



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34. Identify True/False statements, Correct each false statement to make it true:
Oogenesis takes place in corpus luteum.
(True/False)



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35. Identify True/False statements, Correct each false statement to make it true:

Menstrual cycle ceases during pregnancy.

(True/False)



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36. Identify True/False statements, Correct each false statement to make it true: Presence or absence of hymen is not a reliable indicator of virginity or sexual experience.



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37. Define menstrual cycle. Name any two hormones which regulate this process.



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38. What is parturition ? Name the hormone involved in induction of parturition.



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39. In our society women are often blamed for giving birth to daughters. Can you explain why this is not correct ?



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40. How many eggs are released by a human ovary in a month? How many eggs do you think would have been released if the mother gave birth to identical twins? Would your

answer change if the twins born were fraternal?



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41. How many eggs do you think were released by the ovary of a female dog which gave birth to 6 puppies?



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