



BIOLOGY

NCERT - NCERT BIOLOGY(ENGLISH)

HUMAN REPRODUCTION

Human Reproduction

1. Humans reproduce _____.
(asexually/sexually)

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2. Humans are_____.

(oviparous/viviparous/ovoviviparous)



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3. Fertilization is _____ in humans.

(external/internal)



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4. Male and female gametes are _____.
(diploid/haploid)



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5. Zygote is _____. (diploid/haploid)



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6. The process of release of the ovum from a
mature follicle is called_____.



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7. Ovulation is induced by a hormone called the _____.



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8. The fusion of the male and the female gametes is called _____.



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9. Fertilization takes place in the _____.



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10. The zygote divides to form _____, which is _____ implanted in uterus.



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11. The structure which provides vascular connection between the fetus and uterus is

called _____.



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12. Draw a labeled diagram of male reproductive system.



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13. Draw a labeled diagram of female reproductive system.



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14. Write two major functions each of testis 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.



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17. Name the hormones involved in regulation of spermatogenesis.



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18. Define spermiogenesis and spermiation.



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19. Draw a labeled 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 labeled diagram of a section through ovary.



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24. Draw a labeled diagram of a Graafian Follicle?



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25. Name the functions of the following.

(a) Corpus luteum

(b) Endometrium (c) Acrosome

(d) Sperm tail

(e) Fimbriae



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26. Androgens are produced by Sertoli cells.

(True/False)



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



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28. Leydig cells are found in ovary. (True/False)



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29. Leydig cells synthesise androgens.

(True/False)



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30. Oogenesis takes place in corpus luteum.

(True/False)



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31. Menstrual cycle ceases during pregnancy.

(True/False)



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32. The presence or absence of hymen is not a reliable indicator of virginity or sexual experience. (True/false)



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33. What is menstrual cycle ? Name the hormones that regulate menstrual cycle ?



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34. what is parturition ? Which hormones are involved in induction of parturition ?



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35. In our society a woman is often blamed for not bearing male child. Do you think it is right? Justify.



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36. 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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37. 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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