



BIOLOGY

NCERT - NCERT BIOLOGY(TELUGU)

HUMAN REPRODUCTION

Exercises Fill In The Blanks

1. Humans reproduce _____
(asexually/sexually)



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2. Humans are _____ (oviparous, viviparous, ovoviviparous)



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3. Fertilisation 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 ovum from a
mature follicle is called _____



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7. Ovulation is induced by a hormone called



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8. The fusion of male and female gametes is

called _____



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9. Fertilisation takes place in _____



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10. Zygote divides to form _____ which is implanted in uterus.



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



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Exercises

1. Draw a labelled diagram of male reproductive system.



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2. Draw a labelled diagram of female reproductive system.



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3. Write two major functions each of testis and ovary.



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4. Describe the structure of a seminiferous tubule.



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5. What is spermatogenesis? Briefly describe the process of spermatogenesis.



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6. Name the hormones involved in regulation of spermatogenesis.



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7. Define spermiogenesis and spermiation.



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8. Draw a labelled diagram of sperm.



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9. What are the major components of seminal plasma?



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



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



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12. Draw a labelled diagram of a section through ovary.



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13. Draw a labelled diagram of a Graafian follicle?



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14. Name the functions of the following:

(a) Corpus luteum (b) Endometrium

(c) Acrosome (d) Sperm tail

(e) Fimbriae



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15. What is menstrual cycle? Which hormones regulate menstrual cycle?



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16. What is parturition ? Which hormones are involved in induction of parturition ?



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



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18. 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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19. 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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Exercises Identify True False Statements Correct Each False Statement To Make It True

1. Androgens are produced by Sertoli cells.

(True/False)



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2. Spermatozoa get nutrition from Sertoli cells.

(True/False)



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



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4. Leydig cells synthesise androgens.

(True/False)



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5. Oogenesis takes place in corpus luteum.

(True/False)



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6. Menstrual cycle ceases during pregnancy .



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7. Presence or absence of hymen is not a reliable indicator of virginity or sexual experience. (True/False)



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