



BIOLOGY

BOOKS - MBD -HARYANA BOARD

HUMAN REPRODUCTION

Example

1. Fill in the blanks:

The process of release of ovum from a mature follicle is called



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2. Fill in the blanks:

Ovulation is induced by a hormone called



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3. Fill in the blanks:

The fusion of male and female gametes is called



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4. Fill in the blanks:

Fertilization takes place



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5. Fill in the blanks:

Zygote divides to form which is implanted in uterus.



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6. Fill in the blanks:

The structure which provides vascular connection between foetus and uterus is called



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



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8. Describe the structure of a seminiferous tubule.



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



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10. Give an account of spermatogenesis in human male .



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11. Name the hormones involved in regulation of spermatogenesis.



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12. Define spermiogenesis and spermiation.



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13. Draw a mammalian sperm and label its four major parts .



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14. Which are major components of seminal plasma?



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20. Name the functions of the following:
corpus luteum



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21. Name the functions of the following:

endometrium



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22. Name the functions of the following:

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23. Name the functions of the following:

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24. Name the functions of the following:

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29. 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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30. Write the technical term for the following :
Funnel lying close to the ovary.



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31. Write the technical term for the following :
the period of endometrial repair and regeneration.



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32. Write the technical term for the following :
Copulation chamber in the human female.



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33. Supply the scientific term for the following :

Release of ovum from ovary



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34. Supply the scientific term for the following :

Onset of menstrual cycle in female.



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35. Supply the scientific term for the following

:

the structures that pick up ova from body cavity.



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36. What is the location of Cowper's glands in the body?



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37. What is the location of cervix?



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38. Define semen.



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39. where are the sperms stored in the male ?



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40. Give the term used for the age at which the reproductive organ becomes mature.



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41. Where does fertilization take place in human body?



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42. Which hormone accomplish the menstrual cycle in human females?



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43. Name the cells which produce testosterone..What is the function of this hormone?



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44. What are Leydig's cells? State their function.



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45. How does ovum which is released in the body cavity enter the fallopian tube?



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46. In which state of nuclear division does the unfertilized ovum occur inside the fallopian tube?



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62. What is the function of acrosome and head?



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63. Explain the various events which occur during menstrual cycle.



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66. Differentiate between seminiferous tubules and Leydig cells.



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67. Point out the differences in male and female urethra.



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68. Differentiate the following:

Graafian follicle and Corpus luteum.



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69. Write a short note on structure and functions of vagina



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70. Write short note on orgasm in female.



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71. What is ovulation?



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72. What happens to Graafian follicle after ovulation?



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73. Differentiate between proliferative and secretory phases.



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74. Differentiate between Zona pellucida and Corona radiata.



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75. Compare mature mammalian sperm and ovum.



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76. Define ooplasm and germinal vesicle.



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77. Name the steps involved during fertilization.



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78. Write any two differences between morula and blastula.



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82. List the characteristics of morula stage.



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83. Write the various distinguishing fetures of blastodermic vesicle.



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86. What is placenta ?



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87. Why is the human placenta referred to as haemochorial type ? Name the hormone it secretes to facilitate parturition .



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88. What is decidua ? Explain its kinds.



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89. Differentiate between spermatogenesis and oogenesis.



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98. Describe the similarities between spermatogenesis and oogenesis.



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99. Briefly explain primary male sex organs of man.



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100. Fertilization is a physicochemical process'. Explain .



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101. What is fertilization? In which part of the human female reproductive system does it occur? Explain the significance of fertilization.



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102. Describe the formation of blastodermic vesicle in mammalian embryo.



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103. Draw L.S. of testis of the human male.



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104. Draw a well labelled diagram of L.S. of Testis of man.



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105. In our socieity ,the women are often blamed for giving birth to daughter.Can you

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106. What is menstruation cycle? Explain.



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193. Fertilization is a physicochemical process

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194. What are the main structures and organs which differentiate from the different germ layers of an embryo?



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195. Give an account of histology of tests.



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196. Draw L.S. of testis of the human male.



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197. Draw a well labelled diagram of L.S. Testis.



Watch Video Solution

198. Explain histological structure of mammalian ovary.



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



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200. What is menstruation cycle? Explain.



Watch Video Solution

201. Describe accessory glands of reproductive system of human.



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Exercise

1. Fill in the blanks :

Ability of an organism to produce individuals similar to itself called



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2. Process of sperm formation is termed



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3. Fill in the blanks :

Process of egg formation is known as



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4. Spermatozoa are produced in the
of testes while the ova are formed in the
..... of the ovaries.



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5. Fill in the blanks :

Corpus luteum secretes..... while Leydig cells secrete



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6. Fill in the blanks :

The secretory phase of the menstrual cycle is also called the..... phase because it is controlled by the hormone.



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7. State true or false:

Fertilization occurs in uterus.



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8. State true or false:

The cell formed by fusion of male and female gametes is termed zygote.



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9. State true or false:

Menstruation continues for four days.



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10. State true or false:

Stoppage of egg formation and menstrual cycle in a woman is called menarche.



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11. State true or false:

Degenerated corpus luteum is called corpus albicans.



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12. State true or false:

A woman passes out hCG in the urine during pregnancy.



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13. Name the following:

The tube which extends from uterus to vestibule in the female.



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14. Name the following:

It is the external genital opening of the female mammal.



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15. Name the following:

The process by which testes produce spermatozoa from its male germ cells by meiotic division.



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16. Name the following:

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Watch Video Solution

17. Name the following:

Development of a fully formed animal directly from an unfertilized ovum.



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18. The internal cavity formed by cell division prior to gastrula is :

A. Antrum

B. Enteron

C. Archenteron

D. Blastocoel

Answer:



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19. Part of fallopian tube closest to ovary is

A. Isthmus

B. Infundibulum

C. Cervix

D. Ampulla.

Answer:



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20. At puberty how many primary follicles are left in the two ovaries ?

A. 60000 – 80000

B. 80000 – 1Lac

C. 1, 20, 000 – 1, 60, 000

D. 4080.

Answer:



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21. LH and FSH attains a peak on which day in a 28 day menstrual cycle?



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22. 1st polar body is formed at which stage of oogenesis?

- A. 1st meiosis
- B. 2nd mitosis
- C. 1st mitosis
- D. Differentiation.

Answer:



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23. Ovulation occurs under the influence of:

A. LH

B. FSH

C. Estrogen

D. Progesterone.

Answer:



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24. Acromosome reaction in sperm is triggered by:

- A. relase of fortilizin
- B. release of lysin
- C. capacitation
- D. influx of Na in sperm

Answer:



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25. Middle piece of mammalian sperm possesses

A. mitochondria and antrales

B. mitochondria

C. centrioles only

D. nucleus and mitochondria

Answer:



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26. Site of fertilization in mammal is

A. ovary

B. uterus

C. vagina

D. fallopian tube.

Answer:



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