



BIOLOGY

BOOKS - MBD BIOLOGY (ODIA ENGLISH)

human REPRODUCTION

Question Bank

1. Sertoli cells are found in _____ of mammals .

A. Kidney

B. Ovary

C. Testis

D. Liver

Answer: C



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2. ____ is responsible for the inhibition of ovulation

A. Oestrogen

B. Prolactin

C. Progesterone

D. Oxytocin

Answer: C



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3. Mature ovum enters fallopian tube through

A. infundibulum

B. Ostium

C. Vagina

D. Ureter

Answer: B



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4. Interstitial cells of testis produce hormone for the development of secondary sexual character in males

A. Testosterone

B. Progesterone

C. Thyroxine

D. FSH

Answer: A



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5. Which is structural and functional unit of testis

A. Fallopian tube

B. Nephric tubule

C. Urethra

D. Seminiferous tubule

Answer: D



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6. Dysmenorrhea, a painful menstruation is caused by

A. Uterine contractions

B. Ovarian cysts

C. Pelvic inflammation

D. All of the above

Answer: D



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7. The sperm produce some enzymes known as "sperm lysin" which helps in-

- A. Spermatogenesis
- B. Viability of sperm
- C. Penetration of sperm
- D. Movement of sperm

Answer: C



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8. Gametes are in chromosomal make up

- A. Diploid

B. Haploid

C. Tetraploid

D. Polyploid

Answer: B



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9. Zygotes contain number of chromosomes

A. n

B. $2n$

C. $3n$

D. $4n$

Answer: B



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10. The sertoli cells are regulated by which hormones of pituitary ?

A. GH

B. Prolactin

C. FSH

D. LH

Answer: C



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11. is the intromittent organ of man

A. Lips

B. Tongue

C. Testis

D. Penis

Answer: D



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12. Swelling of in old persons obstructs
urination

A. Seminal vesicle

B. Prostate glant

C. Bulbo-urethral gland

D. Corpus spongiosum

Answer: B



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13. Semen is composed of

A. Sperm and secretion from seminal vesicle

B. Sperm, secretion of seminal vesicle, prostate gland and Cowper's gland

C. Sperm and secretion from Cowper's gland

D. None of these

Answer: B



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14. In human being puberty occurs at the age of

A. 10-12 years

B. 12-13 years

C. 15-20 years

D. 20-22 years

Answer: B



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15. Menstruation cycle is controlled by

A. Oestrogen

B. Progesterone

C. Both (A) and (B)

D. None of these

Answer: C



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16. The endometrium is the lining of

A. Vas deferens

B. Oviduct

C. Uterus

D. None

Answer: C



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17. In whom is testis found inside the abdomen.

A. Elephant

B. Mouse

C. Horse

D. Dog

Answer: A



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18. Testes are masses of units of

A. Uriniferous tubule

B. Malpighian tubule

C. Vas deferens

D. Seminiferous tubule

Answer: D



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19. In human female the structure corresponding to penis is.

A. Urethra

B. Clitoris

C. Glans

D. Vulva

Answer: B



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20. What are the nurse cells for spermatozoa.

- A. Leydig cells
- B. Germinal cells
- C. Sertoli cells
- D. Spermatids

Answer: C



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21. Androgens are secreted by.

A. Testes

B. Ovary

C. Thyroid

D. Adrenal

Answer: A



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22. Inhibin hormone is secreted by.

A. Interstitial cell

B. Sertoli cells

C. Spermatocyte

D. Oocyte

Answer: B



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23. Identify the odd one of the following:

A. Infundibulum

B. Fimbriae

C. Labia minora

D. Isthmus

Answer: C



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24. Cowper's gland is a part of.

A. Liver

B. Pancreas

C. Male reproductive system of man

D. Femal reproductive system of human

Answer: C



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25. Fallopian tube is also called .

A. Oviduct

B. Ejaculatory duct

C. Ductus deferens

D. Vagina

Answer: A



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26. Acrosome is related to .

A. Ovum

B. Sperm

C. Oocyte

D. Spermatocyte

Answer: B



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27. Fertilization in human takes place in:

A. Fallopian tube

B. Uterus

C. Vagina

D. Ovary

Answer: A



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28. Which of the following is normally diploid (2n)?

A. Spermatids

B. Spermatogonoum

C. Secondary spermatocyte

D. Polar body

Answer: B



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29. Which is the outermost extra-embryonic membrane ?

A. Amnion

B. Allantois

C. Chorion

D. Yolk sac

Answer: C



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30. Menstrual cycle stops during or after:

- A. Gestation period
- B. Lactational period
- C. 45-50 year of age
- D. All of above

Answer: D



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31. Synthesis of yolk is known by:

A. Gluconeogenesis

B. Glycolysis

C. Vitellogenesis

D. None of the above

Answer: C



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32. Artificial labour can be induced by :

A. Oxytocin

B. Prolactin

C. Thyroxine

D. Corticosterone

Answer: A



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33. Which of the following stores and nourishes the sperms ?

A. Ovary

B. Epidymis

C. Oviduct

D. Ureter

Answer: B



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34. The process by which spermatids are converted into sperm is called .

- A. Spermioteliosis
- B. Spermiogenesis
- C. Spermatogenesis
- D. Both (a) and (b)

Answer: D



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35. In a mature sperm the mitochondria are present in .

A. Head of sperm

B. middle piece of sperm

C. Neck of sperm

D. Tail of sperm

Answer: C



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36. Clitoris is an outgrowth of which is :

- A. Non-functional penis
- B. Analogous to penis
- C. Homologous to penis
- D. Functional penis in females

Answer: C



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37. Archenteron is surrounded by :

A. Ectoderm

B. Endoderm

C. Mesoderm

D. Blastomeres

Answer: B



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38. Extrusion of second polar body from egg

occurs :

- A. After enter of sperm before completion of fertilization
- B. After completion of fertilization
- C. Before enter of sperm
- D. Without any relation of sperm entry

Answer: A



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39. Which one is correct sequence in the process of development .

A. Cleavage - zygote - fertilization -morula-

blastula - gastrula

B. Fertilization- zygote- cleavage- morula-

blastula- gastrula

C. Fertilization- cleavage- morula- zygote-

blastula- gastrula

D. Fertilization - zygote- gastrula- morula-
cleavage- gastrula

Answer: B



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40. Placenta of human being is formed by :

A. Amnion

B. Chorion

C. Allantoin

D. Allantoin, chorion, and uterine wall.

Answer: B



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41. Which type of cleavage occurs in the zygote of human female ?

A. Holoblastic and unequal

B. Meroblastic

C. Holoblastic and equal

D. Discoidal

Answer: A



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42. In which stages of development three germ layers are formed ?

A. Gastrula

B. Blastula

C. Morula

D. None of these

Answer: A



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43. Estrogen is secreted by :

A. Interstitial cell

B. Granulosa cells of Graafian follicle

C. Germinal epithelium of ovary

D. Pituitary

Answer: B



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44. Testes descend into scrotum in mammals
for :

- A. Spermatogenesis
- B. Fertilization
- C. Development of sex organ
- D. None of these

Answer: A



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45. Antrum is a cavity of :

A. Ovary

B. Graafian follicle

C. Blastula

D. Gastrula

Answer: B



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46. How many sperm are produced from a single primary spermatocyte ?

A. 2

B. 3

C. 4

D. 5

Answer: C



47. Mammary gland is a modified :

- A. Sebacious gland
- B. Sweat gland
- C. Cutaneous gland
- D. Scent gland

Answer: B



48. Acrosome of spermatozoa is formed from :

A. Lysosome

B. Mitochondria

C. Ribosomes

D. Golgibodies

Answer: D



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49. Sequence of hormone during menstrual cycle is .

A. Oestrogen, Progesterone and FSH

B. Progesterone, Oestrogen and FSH

C. FSH, Oestrogen and progesterone

D. FSH, Progesterone and Oestrogen

Answer: C



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50. How many autosomes are present in a mature human sperm ?

A. 20

B. 22

C. 44

D. 46

Answer: B



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51. A cavity in gastrula is .

A. Archenteron

B. Blastocoel

C. Haemocoel

D. Hydrocoel

Answer: A



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52. Proliferation of endometrium of uterus is controlled by :

A. Relaxin

B. Oxytocin

C. Progesterone

D. Oestrogen

Answer: D



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53. Which one of the following is immortal ?

- A. Somatic cell
- B. Germ cells
- C. Glomerular cell
- D. Pitocytes

Answer: B



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54. Which hormone in urine confirms pregnancy ?

A. Progesterone

B. Estrogen

C. Human chorionic gonadotropin

D. Prolactin

Answer: C



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55. The Leydig cells secrete :

- A. Glucagon
- B. Androgens
- C. Oestrogen
- D. Lactogen

Answer: B



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56. In human fertilization occurs in :

A. Uterus

B. Vagina

C. Fallopian tube

D. Ovary

Answer: C



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57. During spermatogenesis, the first meiotic division is observed in :

A. Spermatozoans

B. Spermatids

C. Ootids

D. Primary spermatocytes

Answer: D



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58. The cells of Rauber are :

- A. Secretory cells is of endometrium in uterus
- B. Inner cell mass of blastocoel
- C. Cells of trophoblast in contact with inner cell mass of blastocyt
- D. Sertoli cells

Answer: C



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59. Sperm of animal species A cannot fertilize ovum of species B because .

A. Antifertilizin of A and B are not compatible.

B. Antifertilizin of A and fertilizin of B are not compatible.

C. Fertilizin of A and B are not compatible

D. None of above

Answer: B



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60. Humans are (oviparous, viviparous, ovoviviparous)

A. Oviparous

B. Viviparous

C. Ovo-viviparous

D. None of these

Answer: B



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61. Which set is similar :

A. Corpus luteum - graafian follicles

B. Sebum -Sweat

C. Bundle of His - pace maker

D. Vit. B7 - Niacin

Answer: A



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62. Temperature of the scrotum which is necessary for functioning of testis is always below body temperature. This difference is :

A. $2^{\circ}C$

B. $3^{\circ}C$

C. $4^{\circ}C$

D. $6^{\circ}C$

Answer: A



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63. Bartholin glands are situated :

A. on either side of vagina- in human

B. on either side of vas deferens in human

C. on the sides of heads of some
amphibians

D. at the reduced tail ends of birds.

Answer: A



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64. Menstrual cycle is affected by :

A. Progesterone only

B. LH only

C. LH +FSH+oestrogen

D. Oestrogen only

Answer: C



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65. Preparation of sperm before entry into the ovum is called :

A. Insemination

B. Maturation

C. Capacitation

D. Fertilization

Answer: C



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66. Oocyte is liberated from ovary under the influence of LH, after completing :

A. Meiosis and before liberating polar bodies

B. Meiosis -I and before liberating polar bodies

C. Meiosis

D. Meiosis -I after release of polar body

Answer: D



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67. Which is correct about human embryonic development ?

A. Cleavage divisions bring about considerable increase in mass of protoplasm.

B. In the second division, one of the two blastomeres usually divides a little sooner than the second.

C. With more cleavage division one of the two resultant blastomeres become larger and larger.

D. Cleavage division results in hollow ball of cells called morula

Answer: B



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68. The number of chromosomes in a mature mamete gets halved during :

A. Formation of first polar body

B. Formation of second polar body

C. Meiosis -II

D. Division of secondary oocyte and spermatocyte

Answer: A



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69. Frog' s testes do not possess:

- A. Interstitial cells
- B. Seminiferous cells
- C. Sertoli cells
- D. Seminal vesicles

Answer: C



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70. In oogamy, fertilization involves:

- A. A large non-motile female and a small non-motile male gamete
- B. A large motile female gamete and a small non-motile male gamete
- C. A small non-motile female gamete and a large motile male gamete
- D. A large non-motile female gamete and a small motile male gamete

Answer: D



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71. In human female, ovulation occurs during menstrual cycle:

- A. at the end of proliferative phase
- B. in the middle of secretory phase
- C. just before the end of secretory phase
- D. in the beginning of proliferative phase

Answer: A



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72. Nebenkern is a part of:

- A. Human ovum
- B. Human sperm
- C. Foetus
- D. Graafian follicle

Answer: B



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73. Yellow coloured milk secreted by cattle soon after the birth of a calf is called

A. Cholesterol

B. Colostrum

C. Chyme

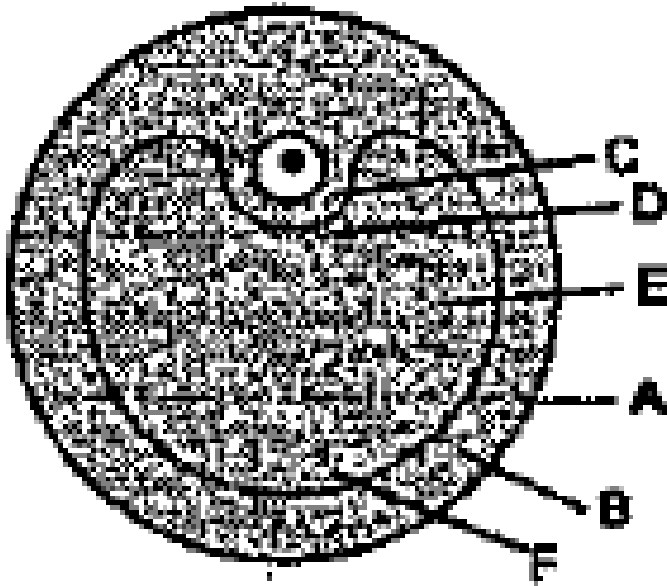
D. Chyle

Answer: B



74. In the diagram of section of Graffian follicle, different parts are indicated by alphabets . Choose the answer in which these alphabets have been correctly matched with

the parts they indicate.



A. A=Membrane granulosa : B=Theca interna, C = Ovum, D = Cumulus oophorus : E = Anturm, F = Theca externa

B. A = Theca externa, B = Theca interna, C =
Ovum, D = Membrana granulosa, E =
Antrum, F = Cumulus oophorus.

C. A = Theca externa, B = Theca interna, C =
ovum, D = Cumulus oophorus, E =
Antrum, F = membrana granulosa

D. A = Membrana granulosa, B = Theca
externa, C = Ovum, D = Cumulus
oophorus, E = Antrum, F = Theca interna

Answer: C



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75. In human female, ovulation occurs during menstrual cycle:

- A. At the beginning of the proliferative phase
- B. At the end of proliferative phase
- C. At the mid of secretory phase
- D. Just before the end of secretory phase

Answer: B



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76. In which of the following organisms testes descend into scrotum in breeding season but in non-breeding season goes up ?

A. Frog

B. Kangaroo

C. Shrew

D. Bat

Answer: D



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77. Proliferation of endometrium of uterus is controlled by :

- A. Relaxin
- B. Oxytocin
- C. Progesterone
- D. Oestrogen

Answer: D



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78. The type of placenta in shark is :

A. allantoic

B. yolk sac

C. haemochoria

D.

Answer: B



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79. Which cell organelle is absent in human sperm ?

A. ER

B. Mitochondria

C. Nucleus

D. Centrioles

Answer: A



80. The origin of kidney and ureter in *Rana tigrina* is :

- A. all mesodermal
- B. all endodermal
- C. ectodermal and mesodermal
- D. mesodermal

Answer: A



81. Which one of the following is immortal ?

A. Somatic cells

B. glomerular cells

C. germ cells

D. cells of pituitary

Answer: C



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82. Grey crescent is an area:

A. At the point of enter of sperm into ovum

B. At the animal pole

C. Just opposite to site of sperm entry into
ovum

D. At the vegetal pole

Answer: C



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83. Wolffian duct forms :

A. Epididymis

B. Oviduct

C. Penis

D. Urethra

Answer: A



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84. A cross section at the mid point of middle piece of a human sperm will show:

A. Centriole, mitochondria and 9+2

arrangement of microtubules

B.

C. Mitochondria and 9+2 arrangement of

microtubules

D. 9+2 arrangement of microtubules only

Answer: C



85. Which one of the following events is correctly matched with the time period in a normal menstrual cycle ?

A. Release of egg : 5 days

B. Endometrium regenerate : 5-10 days

C. Endometrium secretes nutrients for
implantation : 11- 18 days

D. Rise in progesterone : 1 - 15 days.

Answer: C



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86. If mammalian ovum fails to get fertilized ,
which one of the following is unlikely ?

- A. Corpus luteum will disintegrate
- B. Estrogen secretion further decreases
- C. Primary follicle start developing
- D. Progesterone secretion rapidly declines

Answer: C



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87. In which of the following sets of animals do all the four give birth to young ones ?

- A. Lion, bat , whale, ostrich
- B. Platypus, penguin, bat, hippopotamus
- C. Shrew, bat, cat, kiwi
- D. Kangaroo, hedgehog, dolphin, loris

Answer: D



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88. Both corpus luteum and macula lutea are :

A. found in human ovaries

B. a source of hormones

C. characterised by a yellow colour

D. contributory in maintaining pregnancy

Answer: C



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89. The sertoli cells are regulated by which hormones of pituitary ?

A. FSH

B. GH

C. Prolactin

D. LH

Answer: A



90. Withdrawal of which of the following hormones is the immediate cause of menstruation

- A. Estrogen
- B. FSH
- C. GnRH
- D. Progesterone

Answer: D



91. In cloning of cattle a fertilized egg is taken out of the mother's womb and:

A. in the eight cell stage , cells are separated and cultured until small embryos are formed which are implanted into the womb of the cows

B. in the eight cell stage the individual cells are separated under electrical field for

further development in culture media

C. from this upto eight identical twins can
be produced

D. the egg is divided into 4 pairs of cells
which implanted into the womb of other
COWS

Answer: A



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92. In the human female, menstruation can be deferred by the administration of:

A. Combination of FSH and LH

B. Combination of estrogen and progesterone

C. FSH only

D. LH only

Answer: B



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93. In humans, at the end of the first meiotic division, the male germ cells differentiates into

A. spermatids

B. spermatogonia

C. primary spermatocytes

D. secondary spermatocytes

Answer: D



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94. Which of the following statements is incorrect about menstruation ?

A. The menstrual fluid can easily clot

B. During normal menstruation about 40 mL blood is lost

C. The beginning of the cycle of menstruation is called menarche .

D. At menopause in the female, there is especially abrupt increase in

gonadotropic hormones

Answer: A



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95. Which one of the following statements about human Sperm is correct ?

A. The sperm lysins in the acrosome dissolve the egg envelope facilitating fertilisation

- B. Acrosome serves as a sensory structure leading the sperm towards the ovum
- C. Acrosome serves no particular function
- D. Acrosome has a conical pointed structure used for piercing and penetrating the egg, resulting in fertilisation

Answer: D



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96. The signals for parturition originate from

A. placenta as well as fully developed

foetus

B. oxytocin released from maternal

pituitary

C. fully developed foetus only

D. placenta only

Answer: A



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97. Sertoli cells are found in_____ of mammals .

A. adrenal cortex and secrete adrenaline

B. seminiferous tubules and provide
nutrition-to germ cells

C. pancreas and secrete cholecystokinin

D. ovaries and secrete progesterone

Answer: B



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98. Which of the following is characteristic of the 27th day of the menstrual cycle ?

A. Stasis of blood in the basal, straight arteries-of the endometrium

B. Constriction of the coiled spiral arteries

C. Increased proliferation of the endometrium,

D. edema Of the functional spongy

Increased layer of the endometrium

Answer: B



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99. In the male reproductive system:

A. Spermatozoa pass in order through efferent ductules, rete testis and ductus epididymis

B. The ductus deferens, seminal vesicle and prostate — all have smooth muscle in

their walls

C. The seminal vesicle is the main source of acid phosphatase in the semen

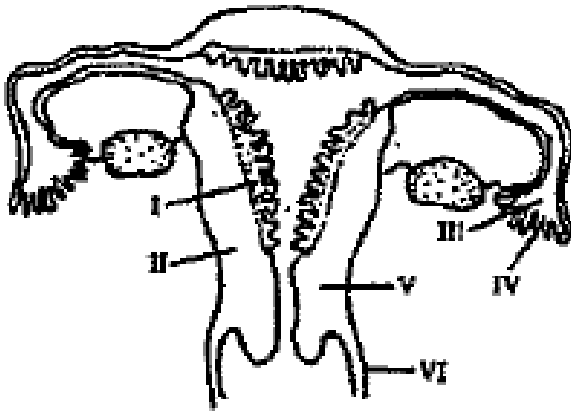
D. The prostate gland is a site- where maturation of sperms occurs

Answer: B



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100. The figure given below depicts a diagrammatic sectional view of the female reproductive system of humans. Which one set of three parts out of I-VI have been correctly identified ?



- A. (II) Endometrium, (III) infundibulum,
(IV) Fimbriae

B. (IV) Oviducal funnel, (V) Uterus, (VI)

Cervix

C. (III) Infundibulum,. (IV) Fimbriae,(V)

Cervix,

D. (I) Perimetrium, (II) Myometrium,

(III)Fallopian tube

Answer: C



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101. The testes in humans are situated outside the abdominal cavity inside a pouch called Scrotum. The purpose served is for :

- A. Maintaining the scrotal temperature lower than the internal body temperature
- B. Escaping any possible compression by the visceral organs
- C. Providing more space for the growth of epididymis

D. Providing a secondary sexual feature for exhibiting the male sex

Answer: A



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102. If for some reason, the vasa efferentia in the human reproductive system get block, the gametes will not be transported from :

A. Ovary to uterus

B. Epididymis to vas deferens

C. Testes to epididymis

D. Vagina to uterus

Answer: C



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103. The luteal (secretory) phase of the menstrual cycle is characterized by all of the following except :

- A. A coiling or sacculation of endometrial glands
- B. Decreased amounts of progesterone in the blood plasma
- C. The presence of a functional corpus luteum
- D. Atresia of some ovarian follicles

Answer: C



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104. The first movement of the foetus and appearance of hair on its head are usually observed during which month of pregnancy ?

- A. Fifth month
- B. Sixth month
- C. Third month
- D. Fourth month

Answer: A



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105. The second maturation division of the mammalian ovum occurs:

- A. Until after the ovum has been penetrated by a sperm
- B. Until the nucleus of the sperm has fused with that of the ovum
- C. In the Graafian follicle following the first maturation division

D. Shortly after ovulation before the ovum makes entry into the fallopian tube

Answer: A



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106. Which one of the following statements about morula in human is correct ?

A. It has far less cytoplasm as well as less DNA than in uncleaved zygote .

B. It has more or less equal quantity of cytoplasm and DNA as in nucleated zygote

C. It has more cytoplasm and more DNA than an uncleaved zygote .

D. It has almost equal quantity of cytoplasm as an uncleaved zygote but much more DNA.

Answer: A



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107. During the differentiation of a spermatozoan (spermatozoan) , the acrosome arises by accumulation of material in :

- A. Mitochondria
- B. The nucleus
- C. The Golgi complex
- D. The nuclear envelope

Answer:



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108. Seminal plasma is rich in

A. glucose and testosterone

B. DNA and potassium

C. ribose and potassium

D. fructose and calcium

Answer: D



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109. Fertilization in human is practically feasible only if :

A. The ovum and sperms are transported to the junction of cervix.

B. The ovum and sperms are transported to ampullary isthmic junction of the fallopian tube.

C. Sperms are transported to ovary.

D. None of the above

Answer: B



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110. In a normal pregnant woman of total gonadotropin activity was assessed. The result expected was :

A. High level of circulating HCG to stimulate

B. High levels of FSH and LH in uterus to stimulate endometrial thickening

C. High level of circulating HCG to stimulate estrogen and progesterone synthesis

D. High level of circulating FSH and LH in the uterus to stimulate implantation of the embryo

Answer: A



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111. The signals for parturition originate from

A. Oxytocin released from material
pituitary

B. Placenta only

C. Fully developed foetus only

D. Both placenta as well as fully developed
foetus

Answer: D



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112. The leydig's cells as found in the human body are the secretory sources of :

A. Intestinal mucus

B. Glucagon

C. Androgens

D. Progesterone

Answer: C



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113. Which one of the following is not the function of placenta ?

A. Secretes estrogen

B. Facilitates removal of carbon dioxide and waste material from embryo

C. Secretes oxytocin during parturition

D. Facilitates supply of oxygen and nutrients to embryo

Answer: C



114. What is the correct sequence of sperm formation ?

A. Spermatogonia , spermatocyte ,
spermatozoa' spermatid

B. Spermatogonia, spermatozoa ,
spermatocyte, spermatid

C. Spermatogonia, spermatocyte,
spermatid , spermatozoa

D. Spermatid,

spermatocyte,

spermatogonia, spermatozoa

Answer: C



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115. The shared terminal duct of the reproductive and urinary system in the human male is :

A. Urethra

B. Ureter

C. Vas deferens

D. Vasa efferentia

Answer: A



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116. The main function of mammalian corpus luteum is to produce :

A. Estrogen only

B. Progesterone

C. Human chorionic gonadotropin

D. Relaxin

Answer: B



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117. Select the correct option describing gonadotropin activity in a normal pregnant female.

A. High level of FSH and LH stimulates the thickening of endometrium.

B. High level of FSH and LH facilitate implantation of the embryo.

C. High level of HCG stimulates the synthesis of estrogen and progesterone.

D. High level of hCG stimulates the thickening of endometrium.

Answer: C



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118. Which part of human female reproductive system acts as womb ?



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119. Which cells of testis secrete androgens ?



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120. Which hormone of anterior pituitary is responsible for growth, maintenance and function of gonads ?



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121. Animals having both male and female reproductive organ are called what ?



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122. what structure connects foetus with the uterine wall ?



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123. Through which process a zygote develops into an embryo ?



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124. The foreskin around the glans penis is called what



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125. What term is applied to the sexual cycle in non-primate mammals ?



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126. Name the erectile tissue forming the glans penis .



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127. What term is used for the arrest of reproductive activity of human female at old days ?



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128. What term is applied for the various external genital organs in a woman ?



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129. Which structure of the ovary produces relaxin hormone ?



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130. What term expresses the onset of sexual maturity in boys and girls ?



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131. What is the process by which a living organism produces young once of its own kind ?



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132. What term is used for child birth ?



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133. Which organ of human female secretes human chorionic gonadotropin (hcG)?



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134. Which organ produces male gametes in human?



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135. Which organ produces female gametes in human?



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136. What are the organ producing gametes called ?



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137. What is the scientific term for male gamete ?



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138. What is the scientific term for female gamete ?



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139. What is produced when a sperm fertilizes an ovum ?



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140. What is the fertilization occurring outside the body of the organisms called ?



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141. What is the fertilization occurring inside the body of the organisms called ?



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142. What is the process of union of two gametes completely and permanently called ?



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143. In man , what is the condition called , in whom the testis fails to descend into scrotal sac ?



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144. In whom is testis found inside the abdomen.



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145. Which canal connects the cavity of the scrotal sac with the abdominal cavity ?



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146. Which structure connects testis of man to the wall of scrotal sac ?



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147. What is the abnormality , where the inguinal canal fails to contract or reopens called ?



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148. connective tissue covering the testis called ?



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149. In which tubules sperms are formed ?



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150. Which cells supply nourishment to developing sperms ?



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151. Which cells from the endocrine part of testis ?



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152. Which structure connects testis of man to the wall of scrotal sac ?



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153. Through which duct sperms pass from testis to urethra?



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154. What is constituted by sperm and secretions from seminal vesicle, prostate glands and Bulbourethral glands ?



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155. What is skiny covering on the glans penis called ?



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156. What is the enlarged sensitive tip of the penis termed as ?



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157. What is the period of intense sexual excitement termed as ?



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158. What is the sexual intercourse scientifically termed as ?



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159. Which term describe the connective tissue of ovary in mammals ?



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160. In which structures inside ovary the ovum develops ?



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161. Through which tube egg passes from ovary to uterus ?



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162. Presence of which structure in the female genital system of girls is a proof of virginity ?



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163. At what age menstruation starts in girls ?



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164. What term is used to express start of reproductive capacity in women?



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165. Which term describe the ceasure of reproductive capacity in women ?



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166. On which day of normal menstrual cycle, ovulation occurs?



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167. Where is the ovum fertilized in a woman ?



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168. Which term describes the attachment of fertilized ovum to the uterine wall ?



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169. Implantation of fertilized ovum and its development till birth is expressed by which

term ?



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170. Which hormone prepares the uterine wall for anticipated pregnancy as well as inhibits further maturation of graafian follicles if pregnancy occurs ?



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171. Which scientific term describes birth of young one ?



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172. What scar is left on ovary by the corpus luteum in case of failure of fertilization and pregnancy ?



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173. What term is applied to the sexual cycle in non-primate mammals ?



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174. Which term describes the period from conception till child birth ?



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175. What is the gestation period for human?



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176. In human female the structure corresponding to penis is.



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177. Cowpers gland of male correspond to which gland of female ?



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178. Who is called father of embryology ?



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179. Who discovered human spermatozoa and in which year ?



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180. Technique of testing amniotic fluid for sex determination is known as what ?





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181. Which part in male reproductive system store sperm ?



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182. Secretion of which gland makes the semen alkaline ?



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183. What the protective fluid for embryo of mammals is called ?



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184. What kind of placenta develops in human ?



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185. Where do you find the corpora cavernosa ?



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186. What is the peritoneal connection between ovary and uterus called ?



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187. Which part of the blastula gives rise to germ layers ?



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188. Fertilization in human takes place in:



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189. The process of release of egg from Graafian follicle is called _____.



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190. The milk produced during initial stage of lactation is called _____.





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191. Corpus luteum secretes hormone ____.



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192. The period between the fertilization and birth is called ____.



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193. The process which changes the Zygotes to blastula is called_____.



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194. _____ is the cavity of blastocyst.



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195. What is the sexual intercourse scientifically termed as ?



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196. _____ is the process by which the sperm prepares itself to fertilize the ovum.



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197. Cessation of menstrual cycle in female is called _____.



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198. Development of secondary sexual characters in male is controlled by which hormone ?



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199. What term is applied for the various external genital organs in a woman ?



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200. Scrotum is connected to abdominal cavity through a narrow canal is called _____.



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201. The process by which spermatids are converted into sperm is called .



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202. Cavity of scrotum is called _____.



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203. The first menstruation begins at puberty and is called _____.



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204. Animals with self- fertilizing ability is called _____.



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205. Degenerated corpus luteum is called ____.



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206. Mature Ovarian follicle is called ____.



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207. ____ is the process of release of sperms into lumen of seminiferous tubules.



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208. _____ is the act of expelling the infant from mother's uterus.



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209. The embryo at 16 - celled stage is known as _____.



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210. Ovulation takes place in _____.



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211. At menopause ,there is rise in urinary excretion of hormone _____



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212. Graafin follicles are found in _____ of mammals .



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213. Humans are oviparous.

A. True

B. False

C.

D.

Answer:



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214. The Ovum secretes enzyme hyaluronidase.

A. True

B. False

C.

D.

Answer:



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215. ZP2 glycoprotein is found in corona radiata.



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216. The mitochondrion in human are paternal origin.

A. True

B. False

C.

D.

Answer:



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217. The morula is a hollow sphere of embryo.



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218. Zygote is a single celled haploid cell.



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219. The new born child between 0 and 30 days is called infant.



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220. The baby between 0 month and 12 months is called toddlers.

A. True

B. False

C.

D.

Answer:



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221. The process of formation of ovum in Graafian follicle is called spermiogenesis.

A. True

B. False

C.

D.

Answer:



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222. Sterility of man results if sperms are mobile.

A. True

B. False

C.

D.

Answer:



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223. The lower part of uterus is vagina.



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224. The rapid mitotic division of zygote is called fertilization.



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225. Degeneration of ovarian follicles is called oogenesis.



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226. Intermixing of paternal and maternal chromosomes is called capacitation.



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227. The inner glandular lining of the uterus is stoma.



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228. The implantation is the process of release of semen into vagina of female.



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229. Development of unfertilized egg of an organism is called anisogamy.



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230. A period of sexual maturity is called menopause.



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231. The process of formation of yolk in the ovum is called parthenogenesis.



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232. Vagina is the house where the foetus gets food and shelter.



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233. Describe the structure of a seminiferous tubule.



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234. Write two major functions each of testes and ovaries.



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235. What are the major components of the seminal plasma?



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236. What are functions of sertoli cells ?



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237. What are the functions of male accessory duct- epididymis ?



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238. What are the functions of male accessory glands ?



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239. What are the major functions of the male reproductive system ?



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240. Explain the structure and function of Graafian follicle.



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241. What are Leydig cells? Write down their functions.



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242. What is parturition ? Give a brief account.



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243. What is lactation ? Write down its mechanism.



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244. What are the composition of colostrum ?



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245. What is after birth ?



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246. What is an umbilical cord ?



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247. How polyspermy is prevented ?



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248. What is the significance of colostrum ?



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249. Describe the role of prolactin and oxytocin in milk production.



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250. Differentiate between : Primary sex organ and secondary sex organ



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251. Differentiate between : Testis and Ovary



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252. Differentiate between : Vas deferens and Vas efferentia



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253. Differentiate between : Spermatogenesis and oogenesis



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254. Differentiate between : Estrous cycle and menstrual cycle



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255. Differentiate between : Spermatogenesis and Spermiogenesis



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256. Differentiate between : Proliferative phase and Secretory phase



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257. Differentiate between : Corpus luteum and corpus albicans.



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258. Arrange the following female reproductive parts in proper sequence from ovary to vulva.



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259. What is spermatogenesis ? Name the different development stage between 'Spermatogonia' and 'Spermatozoa'.



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260. Distinguish between fertilizin and antifertilizin.



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261. Draw a labelled diagram of human sperm (no description needed).



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262. Differentiate between sperm and ovum.





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263. Explain role (or importance) of fertilizin and antifertilizin.



[Watch Video Solution](#)

264. What is the significance of fertilization ?



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265. What are the roles of Human Chorionic Gonadotropin (HCG).



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266. What are the functions of placenta ?



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267. Write a short notes on Differentiation of Spermatid.



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268. What is placenta ?



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269. What are the functions of placenta ?



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270. Write the function of the following :

Corpus luteum



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271. Write the function of the following :

Endometrium



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272. State the function of the following

(i) Acrosome (ii) Sperm tail



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273. State the function of the following

(i) Acrosome (ii) Sperm tail



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274. Write the function of the following :

Fibriae



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275. How many spermatozoa are formed from one secondary spermatocyte ?



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276. Where does the first cleavage division of zygote takes place ?



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277. What is foetal ejection reflex ? Explain how it leads to parturition ?



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278. Give an account of the human male reproductive system.



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279. Describe the reproductive system in human female.



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280. Describe the process of Spermatogenesis.



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281. Describe the process of Oogenesis.



[Watch Video Solution](#)

282. Write short notes on : Menstrual cycle



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283. Write notes on Syngamy.



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284. Write short notes on : Development of human embryo up to 3 germ layers



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285. Write short notes on : Implantation



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286. Write short notes on : Parturition



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287. Draw a neat labelled diagram of T.S. of ovary of human female.



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288. Draw a labelled diagram of a Graafian follicle.



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289. Draw a labelled diagram of human sperm
(no description needed).



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