



Embryo Archive

أثر Mid



الطب والجرارة
الجنة



1. Fertilization occurs on:

- a. The first week**
- b. The second week**
- c. The sixth week**
- d. The third week**

Note
it occurs within the
first week after ovulation
, that occurs about the 14th
day of the ovarian cycle

Answer: D

2. Males typically have _____ seminal vesicles.

- a. 2**
- b. 1**
- c. 3**
- d. 4**

Answer: A

3. A female's follicle was successfully extracted and tested under the microscope, it was found to have follicular cells layer, a small space and an oocyte. This follicle represents:

- A) Primordial follicle**
- B) Primary follicle**
- C) Secondary follicle**
- D) Graafian follicle**

Answer: C

4. Corpus Luteum forms as a result of:

- A) Luteinizing secondary follicle under the effect of FSH**
- B) Luteinizing secondary follicle under the effect of LH**
- C) Luteinizing Graafian follicle under the effect of FSH**
- D) Luteinizing Graafian follicle under the effect of LH**

Answer: D



5. In uterine cycle, proliferative phase happens under the influence of:

- A) Estrogen**
- B) Progesterone**
- C) None of them**
- D) Both of them**

Answer: A

6. Ovarian cycle starts at puberty and ends in:

- a. menopause**
- b. ovulation**
- c. fertilization**
- d. pregnancy**

Answer: A

7. One of the following is not a site of ectopic pregnancy:

- a. Fallobian tube.**
- b. Uterine tube**
- c. Ovary**
- d. Uterine decidua**

Answer: D

8. One of the followings cells has a phagocytic function:

- A. Syncytiotrophoblasts**
- B. Cytotrophoblasts**
- C. Graafian follicles**
- D. Primordial germ cells**

Answer: A



9. Adherence of trophoblast to the decidua occurs in:

- a. the 5th day**
- b. the 6th day**
- c. the 8th day**
- d. the 9th day**

Answer: b

10. Releasing the proteolytic enzymes from the acrosomal cap happens in a response to:

- a. Capacitation.**
- b. Acrosomal reaction.**
- c. Zona reaction.**
- d. Cortical reaction**

Note

The statement above is called acrosomal reaction and it happens in response to capacitation

Answer: a

11. The sacrococcygeal teratomas are remnants of:

- a. Primitive streak**
- b. Intermediate mesoderm**
- c. Primitive groove**
- d. Primitive node**

Answer: a

12: Amniotic cavity is formed within:

- a. Epiblast**
- b. Hypoblast**
- c. Trophoblast**
- d. Syncytiotrophoblast**
- e. Cytotrophoblast**

Answer: a



13: One of the following statements is correct related to the primitive streak:

- A) It is a thickened streak under the notochord**
- B) Extends caudally from the primitive node**
- C) It is derived from the sides of the endoderm**
- D) After birth it persists as nucleus pulposus**
- E) The area in midline of caudal half of epiblastic layer**

Answer: A

14: The wall of chorionic vesicle is composed of one of the following:

- A) Syncytiotrophoblast, cytotrophoblast and primary mesoderm**
- B) Syncytiotrophoblast, cytotrophoblast and secondary mesoderm**
- C) Cytotrophoblast and primary mesoderm**
- D) Primary mesoderm and secondary mesoderm**
- E) Syncytiotrophoblast and cytotrophoblast**

Note

Primary mesoderm is the one found in the germ layers while as secondary mesoderm is the extraembryonic mesoderm

Answer: A

15: Formation of notochord happens at:

- A) First week**
- B) Second week**
- C) Third week**
- D) Fourth week**
- E) Sixth week**

Answer: C

16. The end goal of gastrulation is:

- A) Formation of three germs layers.**
- B) Formation of placenta.**
- C) Ovulation**
- D) Fertilization**

Answer: A



17. Remnant of one of the following may result in a tumor associated with gastrulation:

- A) Primitive streak**
- B) Primitive node**
- C) Primitive groove**
- D) Primordial germ cell**

Answer: A

18. The _____ parts of the sperm penetrate(s) the ovum during the zona reaction:

- A) Only head.**
- B) Only head and neck.**
- C) Only head, neck and tail.**
- D) Only head, neck, tail and middle piece.**

Answer: B

19: Each primordial germ cell produces:

- A) 8 sperms**
- B) 4 sperms**
- C) 2 sperms**
- D) 1 sperm**

Answer: A

20. Fertilization occurs at _____ after ovulation:

- A) The first week**
- B) The second week**
- C) The fourth week**
- D) The fifth week**
- E) The sixth week**

Answer: A



21. The sperm reaches the fertilization site by the aid of all of the following except:

- A) Tails of sperms**
- B) Cilia of vagina**
- C) Smooth muscles contraction of uterus**
- D) Smooth muscles contraction of uterine tube**
- E) None of the above**

Answer: B

22. Life span of mature sperms is and of mature ova is, respectively.

- A) 48-72 hours and 24-48 hours.**
- B) 24- 48 hours and 48-72 hours.**
- C) 24 hours and 48 hours.**
- D) 48 hours and 24 hours.**

Answer: A

23. The parts of sperm that will penetrate the secondary oocyte is(are):

- A) Head and tail**
- B) Head and neck**
- C) All of the sperm parts**
- D) Head only**

Answer: B

24. The process of releasing proteolytic enzymes from the acrosomal cap is defined as:

- A) Capacitation**
- B) Acrosomal reaction**
- C) Zona reaction**
- D) Cortical reaction**

Answer: B



25. The second meiotic division is completed:

- A) After the sperm penetrates the secondary oocyte membrane**
- B) After the cortical reaction occurs**
- C) At Zona reaction**
- D) Upon penetrating Zona Pellucida**
- E) None of the above is correct**

Answer: B

26. All of the following are results of fertilization except:

- A) Maintaining the sperm's centrioles**
- B) Maintaining the ova's mitochondria**
- C) Continuation of menstruation**
- D) Formation of decidua**
- E) Determination of sex and general features of the embryo**

Answer: C

27. Site of fertilization is:

- A) Ampulla of oviduct**
- B) Fallopian tube**
- C) Uterine decidua**
- D) none of the above**

Note
Oviduct,
fallopian tube ,
uterine tube
all are synonyms

Answer: A

28. Site of implantation is ...

- A) Middle, lower, posterior part of the uterine wall**
- B) Middle, upper, anterior part of the uterine wall**
- C) Middle, upper, posterior part of the uterine wall**
- D) Middle, lower, anterior part of the uterine wall**

Answer: C



29. Morula is composed of ... cells

- A) 8
- B) 4
- C) 16
- D) 32

Answer: C

30. Blastocyst will adhere to decidua on the ... Day

- A) 5th
- B) 6th
- C) 8th
- D) 9th
- E) 11th-12th

Answer: B

31. All of the following are parts of female's reproductive system except:

- A) Cervix of uterus
- B) Vagina
- C) Ovaries
- D) Fundus of stomach
- E) Fallopian tube

Answer: D

32. One of the following does not resemble a case of ectopic pregnancy:

- A) Peritoneum implantation
- B) Decidual implantation
- C) Oviduct implantation
- D) Ovarian implantation

Answer: B



33. Gametogenesis is defined as:

- A) formation of mature ova or mature sperms from primordial (primitive) germ cells.**
- B) formation of immature ova or mature sperms from primordial (primitive) germ cells.**
- C) formation of primary ova and sperms.**
- D) formation of oogonia and spermatogonia**

Answer: A

34. The source of primordial germ cells is:

- A) Testes**
- B) Ovaries**
- C) Yolk Sac**
- D) Sex Cords**

Answer: C

35. The sperm is composed of ... Parts:

- A) 2**
- B) 3**
- C) 4**
- D) 5**
- E) 6**

Answer: C

36. The uterus is composed of ... parts:

- A) 3**
- B) 4**
- C) 5**
- D) 6**

Answer: A

**** Fundus, body and cervix ****



37. The number of openings in female's vulva is:

- A) 1**
- B) 2**
- C) 3**
- D) 4**

Answer: B

38. Sperms pass through all of the following structures except:

- A) Vagina**
- B) Uterus**
- C) Ureters**
- D) Ejaculation duct**
- E) Oviduct**

Answer: C

39. The primary sex gland (organ) in females is ... and in males is

- A) ovaries and testes.**
- B) vagina and scrotum.**
- C) vulva and epididymis.**
- D) vagina and penis.**

Answer: A

40. Primordial germ cells reach sex cords by traveling through:

- A) Ventral mesentery of Hindgut**
- B) dorsal mesentery of Hindgut**
- C) Ventral mesentery of primitive gut**
- D) dorsal mesentery of Hindgut**

Answer: B



41. Gametogenesis in males will happen in ... while in females in ..., specifically.

- A) epididymis of testes, vagina of female.**
- B) seminiferous tubules of testes and medulla of ovaries.**
- C) seminiferous tubules of testes and cortex of ovaries.**
- D) testes and ovaries.**

Answer: C

42. Spermatogenesis is the production of ... And it starts at

- A) primary sperms, birth**
- B) mature sperms, birth**
- C) primary sperm, puberty**
- D) mature sperms, puberty**

Answer: D

43. Testosterone hormone is produced by cells

- A) Leydig.**
- B) Sertoli.**
- C) Interstitial.**
- D) A and B**
- E) B and C**
- F) A and C**

Answer: F

44. All of the following resembles the functions of Sertoli cells except:

- A) Phagocytosis of remnant cytoplasm**
- B) Secretion of anti- Mullerian hormone**
- C) Secretion of inhibin B and activin**
- D) Secretion of androgens**

Note

It secretes androgens binding protein not androgens themselves

Answer: D



45. Each daughter spermatogonium will give ... sperms:

- A) 3
- B) 6
- C) 4
- D) 8

Answer: C

46. The number of stages of spermatogenesis is ... While of oogenesis is

- a) 4 and 3
- B) 4 and 4
- C) 3 and 3
- D) 3 and 4

Answer: A

47. 1st meiotic division in spermatogenesis happens at

- A) Birth
- B) Puberty
- C) Fertilization
- D) Intrauterine life

Note
it is the 3rd stage
of spermatogenesis.
So, the same starting time

Answer: B

48. Number of chromosomes of mature sperm is.... of zygote is and of secondary polar bodies is ..., respectively.

- A) 23, 46 and 23
- B) 46, 46 and 46
- C) 46, 46 and 23
- D) 23, 23 and 23

Answer: A



49. The stage of oogenesis that occurs at puberty is:

- A) Proliferation**
- B) Growth**
- C) Maturation**
- D) Transformation**

Answer: C

50. Necrospermia is defined as:

- A. sperms found dead**
- B. sperms having abnormal chromosomal content**
- C. sperms found unhealthy**
- D. sperms are either not found at all or low in quantity**

Answer: A

51. Oogenesis is arrested at:

- A) Menopause**
- B) Puberty**
- C) Intrauterine life**
- D) Fetal life**

Answer: A

52. Each daughter oogonium will give ... Polar bodies

- A) 2**
- B) 3**
- C) 4**
- D) 8**

Answer: B



53. Hauser's membrane is formed at the _____ day.

- A) 9th
- B) 10th
- C) 8th
- D) 13th

Note

Hauser's membrane is another name of exocoelomic membrane related to the primary yolk sac

Answer: A

54. The outermost layer of the chorionic vesicle is:

- A) Sycytiotrophoblast
- B) Cytotrophoblast
- C) Epiblast
- D) Lacunae

Answer: A

55. The following event happens in the 5th day of implantation:

- A) Rupture of the zona pellucida
- B) The trophoblast of the blastocyst adheres to the endometrium
- C) The trophoblast differentiates into two distinct layers
- D) The blastocyst becomes embedded within the endometrium

Answer: A



One day
You will be
a great doctor