

Embryology
med-term
archive



1) Chorionic vesicle has all followings except?

Select one:

- a. Cytotrophoblast
- b. Chorionic cavity
- c. Somatic layer of extraembryonic mesoderm
- d. Antrum
- e. Syncytiotrophoblast

2)The cause of ovulation is?

Select one:

- a. Formation of corpus albicans
- b. Excessive accumulation of fluid in the antrum
- c. Formation of corpus hemorrhagicum
- d. Increase vascularity in theca externa
- e. Formation of corpus luteum

3)The duration of the menstrual cycle is?

Select one:

- a. 10 days
- b. 28 days
- c. 30 days
- d. 3-5 days

e. 7 days

4) What are the meaning of azoospermia?

Select one

a. Absent of sperms

b. Dead sperms

c. Short sperms

d. padequate seminal fluid

e. Large sperms

5)The seminal fluid is secreted from all except?

Select one:

a. Prostate

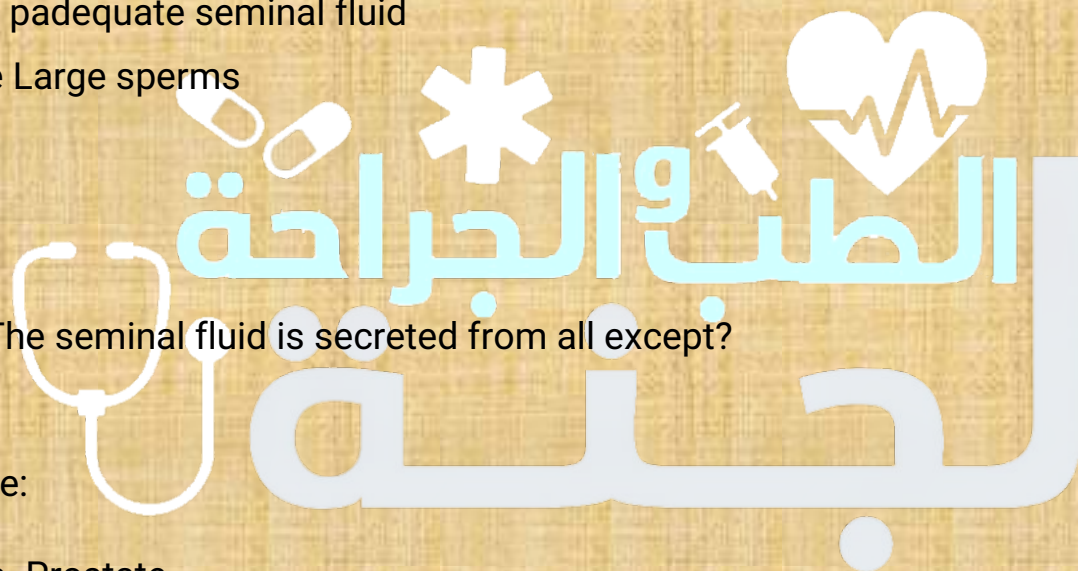
b. Bulbourethral glands

c. Testis

d. Urethra

e. Seminal vesicle

6)The duration of the menstrual cycle is?



Select one:

- a. 10 days
- b. 28 days
- c. 30 days
- d 3-5 days
- e 7 days

7) All following factors help sperms to reach ampulla of the uterine tube except?

Select one:

- a. Contraction of the smooth muscles of the uterine tube
- b. Movements of the tails of the sperms
- c. Movement of the cilia of the uterine tube towards the uterine cavity
- d. Contraction of the smooth muscles of the uterus
- e. Increase amount of secretion

8) What is the transparent membrane?

Select one:

- a. Cuboidal cells
- b. Stratum granulosum
- c. Zona pellucida
- d. Granulosa cells
- e. Cumulus ovaricus

9) Bilaminar germ disc is formed from?

Select one:

- a. Trophoblast
- b. Blastocoele
- c. Cytotrophoblast
- d. Embryoblast
- e. Syncytiotrophoblast



10) Source of extraembryonic mesoderm?

Select one

- a. Trophoblasts
- b. Epiblast
- c. Cytotrophoblast

d. Hypoblast

e syncytotrophoblast

11) Gametogenesis in male, is formation of ?

Select one:

a. Spermatogonium

b. Mature sperm

c. Spermatid

d. Daughter spermatogonium

e. Secondary spermatocytes

12) Where the primordial gem cells appear?

Select one:

a. Yolk sac after fertilization

b. Yolk sac after puberty

c. Yolk sac before fertilization

d. Yolk sac at puberty

e. Yolk sac at fertilization

13) The primordial gem cells present in?

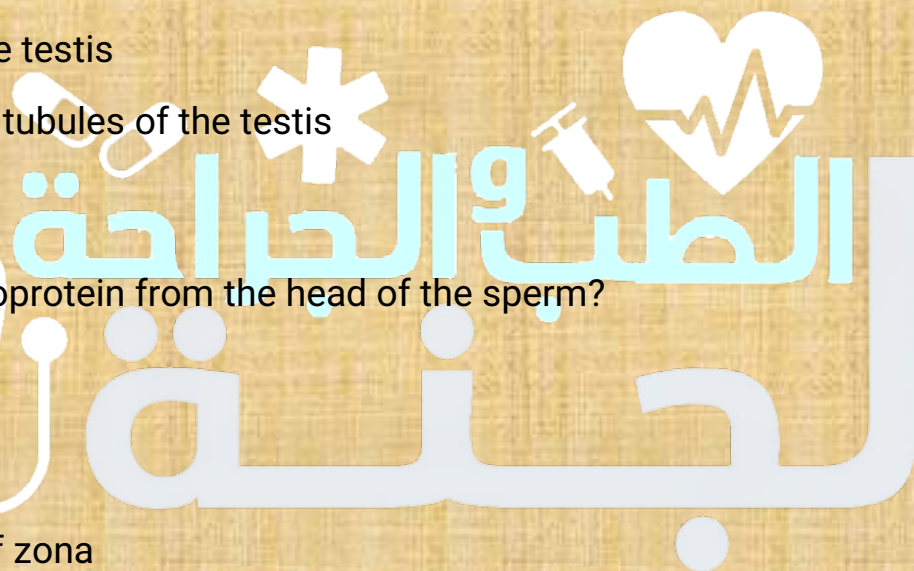
Select one:

- a. Capsule of the testis
- b. Cortex of the testis
- c. Interstitial tissue of the testis
- d. Medulla of the testis
- e. Seminiferous tubules of the testis

14) Loss of glycoprotein from the head of the sperm?

Select one:

- a. Penetration of zona pellucid
- b. Sperm capacitation
- c. Fusion of sperm and primary oocyte
- d. Acrosomal reaction e. Penetration of corona radiata



cells

15) What is the transparent membrane?

Select one:

- a. Cuboidal cells
- b. Stratum granulosum
- c. Zona pellucida
- d. Granulosa cells
- e. Cumulus ovaricus

16) The spiral artery becomes spiral during?

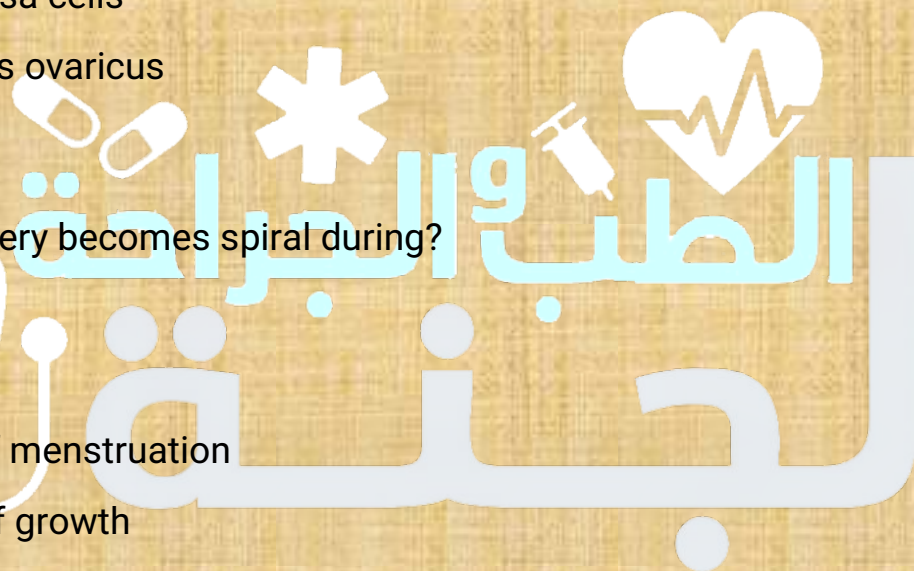
Select one:

- a. Stage of menstruation
- b. Stage of growth
- c. Stage of proliferation
- d. Stage of secretion
- e. Stage of repair

17) The seminal fluid is secreted from all except?

Select one:

- a. Prostate



b. Bulbourethral glands

c. Testis

d. Urethra

e Seminal vesicle

18) Bilaminar germ disc is formed from?

Select one

a. Trophoblast

b Blastocoele

c. Cytotrophoblast

d. Embryoblast

e. Syncytiotrophoblast

19) Which of the following does not present during menstrual bleeding?

Select one

a. Middle spongy layer

b. Blood

- c. Superficial compact layer
- d Blood clot
- e. Fibrinolytic enzymes

20) Oogenesis is formation of?

Select one:

- a. The first polar body
- b. The second polar body
- c. Spermatid
- d. Daughter oogonia
- e. Morula

21) Source of extraembryonic mesoderm?

Select one:

- a. Trophoblasts
- b. Epiblast
- c. Cytotrophoblast
- d. Hypoblast
- e. Syncytiotrophoblast



22) Source of extraembryonic mesoderm?

Select one:

- a. Trophoblasts
- b. Epiblast
- c. Cytotrophoblast
- d. Hypoblast
- e. Syncytiotrophoblast

23)The cause of ovulation is?

Select one:

- a. Formation of corpus albicans
- b. Excessive accumulation of fluid in the antrum
- c. Formation of corpus hemorrhagicum
- d. Increase vascularity in theca externa
- e. Formation of corpus luteum



24) Zona reaction?

Select one:

a. Zona pellucida changes its anatomical composition

b. Zona pellucida changes its histological composition

c. Zona pellucida changes its biochemical composition.

d. Zona pellucida changes its physiological composition

e. Zona pellucida changes its molecular composition

25) How many cells in morula?

Select one:

a. 32

b. 16

26) All following factors help sperms to reach ampulla of the uterine tube except?

Select one:

- a. Contraction of the smooth muscles of the uterine tube
- b. Movements of the tails of the sperms
- c. Movement of the cilia of the uterine tube towards the uterine cavity
- d. Contraction of the smooth muscles of the uterus
- e. Increase amount of secretion

27) All following steps of the fertilization except?

Select one:

- a. Penetration of Graafian follicle
- b. Sperm capacitation
- c. Fusion of sperm and ovum
- d. Acrosomal reaction
- e. Penetration of corona radiata cells

28) How many cavities in bilaminar germ disc?

Select one:

- a. One

- b. Two
- c. Three
- d. Four
- e. five

29) The secondary yolk sac is lined by?

Select one:

- a. Ectoderm
- b. Hauser's membrane
- c. Endoderm
- d. Ecocolemic membrane
- e. Mesoderm



29) When reductional meiosis occurs in oogenesis?

Select one:

- a. Intrauterine life

b. At birth

c. After puberty

d. At menopause

e After fertilization

30) What is the nurse cells?

Select one:

a. Interstitial cells

b. Primordial gem cells

c. Seminiferous tubule cells

d. Endothelial cells

e. Leydig cells

31) The corona radiata cells is penetrated by?



Select one:

a. Serous secretion of the uterine tube

b. Zona lysine enzyme

c. Trypsin like enzyme

d. Increase amount of fluid

e. Hyaluronidase enzyme

32) Oogenesis is formation of?

Select one:

a. The first polar body

b. The second polar body

c. Spermatid

d. Daughter oogonia



e. Morula

31) Zona reaction?

Select one:

a. Zona pellucida changes its anatomical composition

b. Zona pellucida changes its histological composition

c. Zona pellucida changes its biochemical composition.

d. Zona pellucida changes its physiological composition

e. Zona pellucida changes its molecular composition

33) The primary sex organ in male is?

Select one:

a. Penis

b. Prostate

c. Testis

d. Epididymis

e. Scrotum

34) All following steps of the fertilization except?

Select one:

a. Penetration of Graafian follicle

b. Sperm capacitation

c. Fusion of sperm and ovum

d. Acrosomal reaction

e. Penetration of corona radiata cells

35) The first steps of implantation?

Select one:

a. Penetration of zona pellucida

b. Zona reaction

c. Rupture of zona pellucida

d. Reach the morula to uterine cavity

e. Zona lysine



36) Chorionic vesicle has all followings except?

Select one:

- a Cytotrophoblast
- b. Chorionic cavi
- C. Somatic layer of extraembryonic mesoderm
- d. Antrum
- e Syncytiotrophoblast

37) The cause of ovulation is?

Select one:

- a. Formation of corpus albicans
- b. Excessive accumulation of fluid in the antrum
- OC. Formation of corpus hemorrhagicum
- Od. Increase vascularity in theca externa
- Oe. Formation of corpus luteum

38)The endometrium during stage of proliferation?



Select one:

- a. Flat
- b. Highly columnar
- c. Cuboidal
- d. Columnar
- e. Squamous

39) The first stage of uterine cycle is?

Select one:

- a. Stage of menstruation
- b. Stage of growth
- c. Stage of proliferation
- d. Stage of secretion
- e. Stage of repair

40) All the followings are female genital system except?

Select one:

- a. Uterine tube
- b. Cervix of the uterus
- c. Epididymis
- d. Cortex of the ovary
- e. Vulva

41) How many secondary oocytes from primordial germ cells?

Select one

- a. 2
- b. 4
- c. 8
- e. 10

42) The primordial germ cells are?

Select one:

- a. Endoderm
- b. Endothelium
- c. Ectoderm
- d. Epithelium



e. Mesoderm

43) The duration of the ovarian cycle is?

Select one:

- a. 10 days
- b. 28 days
- c. 30 days
- d. 3-5 days
- e. 7 days

44) Two layers of extraembryonic mesoderm connect together at?

Select one:

- a. Chorionic cavity
- b. Primitive yolk sac
- c. Connecting stalk
- d. Secondary yolk sac
- e. Hauser's membrane

45) The first result of ovulation formation of?



Select one:

- a. Corpus luteum
- b. Menstrual cycle
- c. Corpus albicans
- d. Oogenesis
- e. Corpus hemorrhagicum

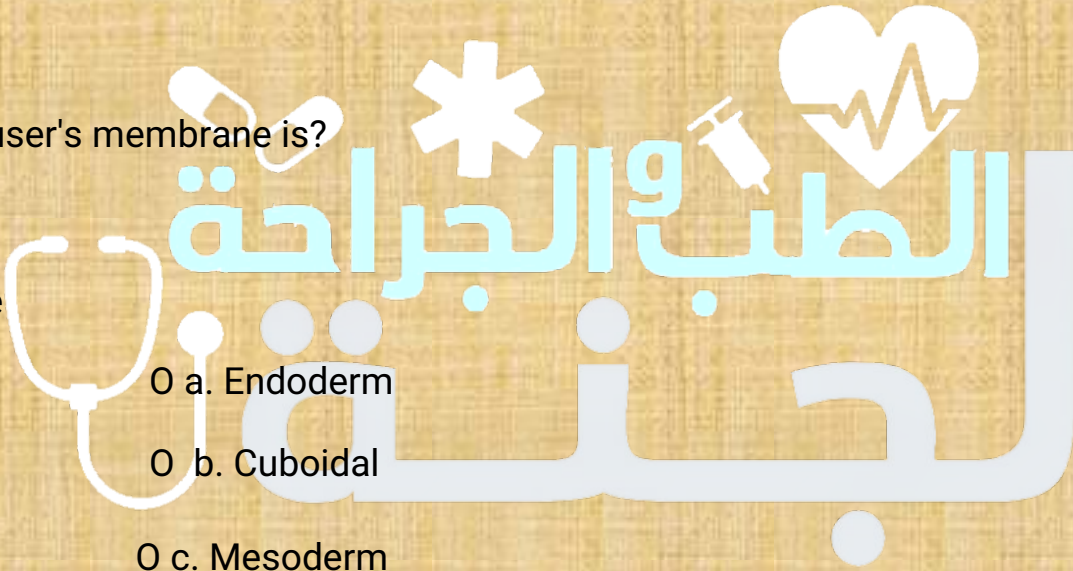
46) Hauser's membrane is?

Select one

- a. Endoderm
- b. Cuboidal
- c. Mesoderm
- d. Columnar
- e. Ectoderm

47) How many sperms at ejaculation?

Select one:



a. About 200,000,000

b. About 8

c. About 200

d. About 200.000

e. About 2,000,000

48) Lacunar system appears in?

Select one:

a. Trophoblasts

- b. Exocoelomic cavity
- c. Cytotrophoblast
- d. Exocoelomic membrane
- e. Syncytiotrophoblast

49) What layer of the ovary secretes estrogen?

Select one:



a. Granulosa cells

b. Theca externa

c. Antrum

d. Culumus ovaricus

e. Theca interna

50) Cytotrophoblast is separated from primitive yolk sac and amniotic cavity by?

Select one:

a. Hauser's membrane

b. Ectoderm

c. Exocolemic membrane

d. Endoderm

e. Extraembryonic mesoderm

52) Which of the following does not present during menstrual bleeding?

Select one:

- a. Middle spongy layer
- b. Blood
- c. Superficial compact layer
- d. Deep basal layers
- e. Fibrinolytic enzymes

53) How many primary oocytes from primordial germ cells?

Select one:

- a. 2
- b. 4
- e. 10



54) The primordial gem cells are?

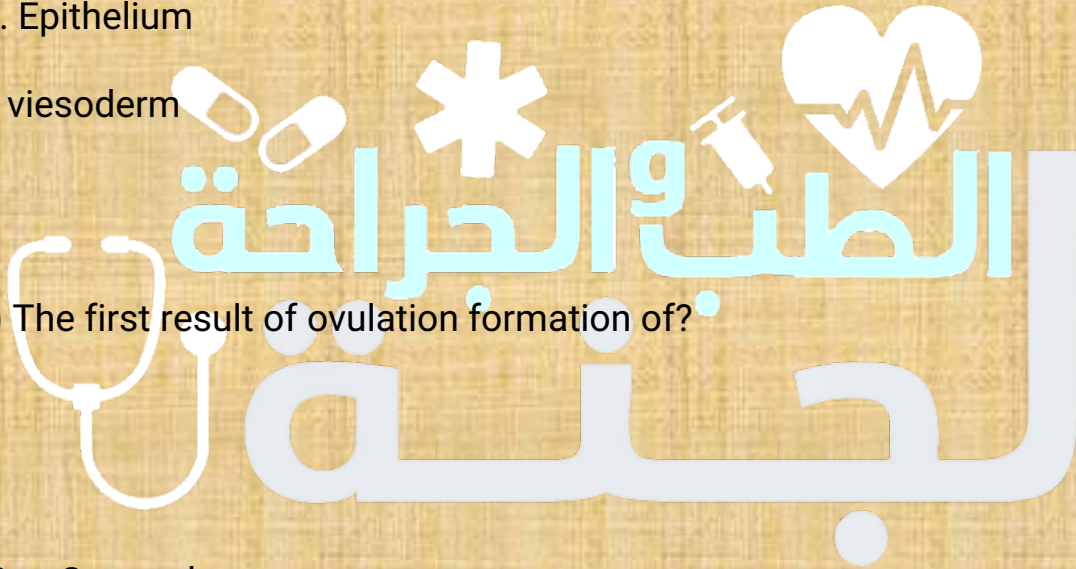
Select one:

- a. Endoderm
- b. Endothelium
- c. Ectoderm
- d. Epithelium
- e. mesoderm

55) The first result of ovulation formation of?

Select one:

- a. Corpus luteum
- b. Menstrual cycle
- c. Corpus albicans
- d. Oogenesis
- e. Corpus hemorrhagicum



56) What are the meaning of dysmenorrhea?

Select one:

a. No bleeding

b. Stop bleeding

c. Severe bleeding

d. Painful bleeding

e. Blood clot

57) How many sperm penetrates the secondary oocytes?

Select one:

a. One

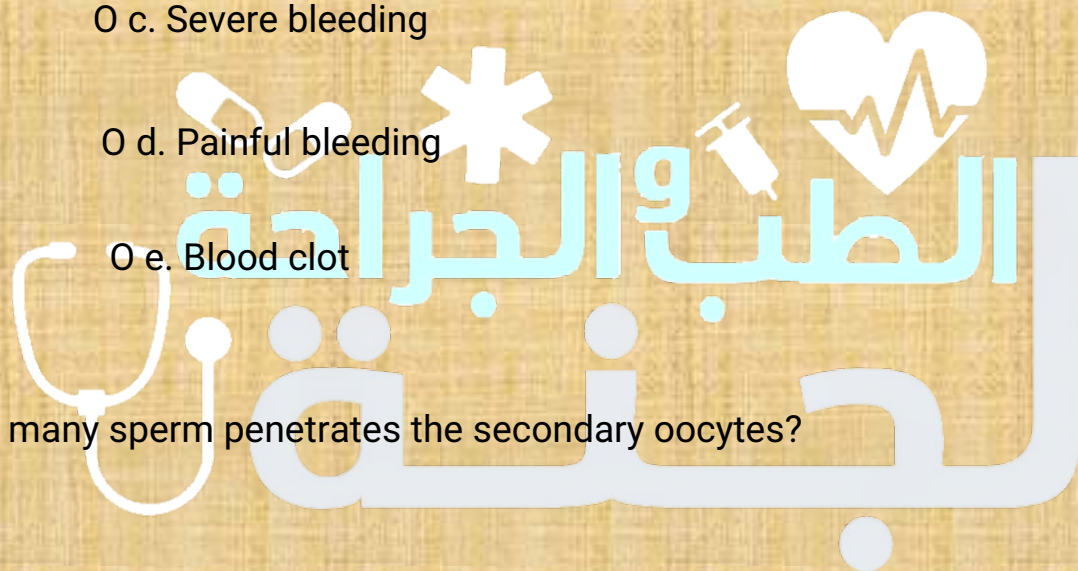
b. Two

c. Three

d. Four

e. Five

58) How many first polar bodies from primordial germ cells?



Select one:

- a. 2
- b. 4
- c. 6
- d. 8
- e. 10

59) Rupture of zona pellucida due to?

Select one:

- a. Mucous secretion of the uterine tube
- b. Zona lysine enzyme
- c. Increase amount of fluid
- d. Trypsin like enzyme e. Hyaluronidase enzyme

60) How many primary oocytes from primordial germ cells?

Select one:

- a. 2
- b. 10

61) All the followings are functions of Sertoli cells except?

Select one:

- a. Phagocytosis of spermatogenesis
- b. Support epithelial cells
- c. Source of nutrition of developing sperms
- d. Have role in spermatogenesis
- e. Formation of blood testis barrier

62) Which has phagocytic activity?

Select one:

- a. Trophoblast

b. Blastocoele

c. Cytotrophoblast

d. Embryoblast

e. Syncytiotrophoblast

63) The endometrium during stage of repair?

Select one:

a. Flat

b. Highly columnar

c. Cuboidal

d. Columnar

e. Squamous

64) Cytotrophoblast is separated from primitive yolk sac and amniotic cavity by?

Select one:

a. Hauser's membrane

b. Ectoderm



- o C. Exocoelomic membrane
- o d. Endoderm
- o e. Extraembryonic mesoderm

عداد لجنة الطب والجراحة
((عمر سعدي

