



EMBRYOLOGY

Final Exam 2023

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1- Which layer of endometrium degenerates during menstruation :

A- Functional layer

B- Basal layer

C- Decidua basalis

D- Decidua capsularies

E- Decidua parietalis

Answer : A

2- Where does capacitation of sperms occur :

A- Cervix

B- Ovary

C- Uterine tube

D- Vas Deference

E- Testis

Answer : C

3- What is the characteristic of turner syndrome :

A- 44 + XX

B- 44 + XXY

C- 45 + XO

D- 45 + XXY

E- 44 + XO

Answer : E

4- What is the base of the amniotic cavity :

A- Hypoblast

B- Epiblast

C- Amnioblasts

D- Hausers membrane

E- Yolk sac

Answer : B

5- What does the tertiary chorionic villus contains :

A- Cytotrophoblast + syncytiotrophoblast

B- Cytotrophoblast + syncytiotrophoblast + base of mesoderm

C- Cytotrophoblast + syncytiotrophoblast + blood capillaries

D- Cytotrophoblast + syncytiotrophoblast + base of mesoderm + blood capillaries

E- Syncytiotrophoblast only

Answer : D

6- What part of the fold make up the foregut :

A- Head fold

B- Tail fold

C- Lateral fold

D- Yolk sac

E- Buccopharyngeal membrane

Answer : A

7- What is the function of the FSH hormone :

A-Increases prostaglandin activity resulting in ovarian contraction

B- Induces maturation of graffian follicles

C-Induces follicles to secrete estrogen

D- Causes corpus luteum to secrete progesterone

E- Induces conversion of follicles to corpus luteum

Answer : C

8- What does external splanchnic mesoderm attached to :

A- Cytotrophoblast

B- Syncytiotrophoblast

C- Yolk sac

D- Hypoblast

E- Epiblast

Answer : C

9- What period of interuterine life involves growth of organs and systems :

A- Embryonic

B- Fetal

C- Germinal

D- Capacitation

E- Implantation

Answer : B

10- What does the ectoderm form :

- A-** Pericardium
- B-** Muscle of the jaw
- C-** Serous membrane
- D-** Plural cavity
- E-** Epidermis

Answer : E

11- What does the endoderm form :

- A-** Adrenal medulla
- B-** Melanocyte cells
- C-** External Auditory meatus
- D-** Eustachian tube
- E-** Peritoneal cavity

Answer : D

12- What is the placenta previa centralis :

- A-** The placenta partially covers the cervix
- B-** The placenta reaches the margin of the cervix
- C-** The placenta overlies external os
- D-** The placenta overlies internal os
- E-** The placenta does not cover the cervix

Answer : D

13- Periodic changes which occur in the endometrium every lunar month during the fertile period of non pregnant female :

- A- Ovarian cycle**
- B- Menstrual cycle**
- C- Fetal phase**
- D- Embryonic phase**
- E- Germinal phase**

Answer : B

14- What is the fate of corpus luteum if fertilisation doesn't occur :

- A-** It changes to corpus luteum of pregnancy
- B-** The placenta will secrete progesterone
- C-** The concentration of progesterone & estrogen increases
- D-** The corpus luteum becomes corpus albicans
- E-** The level of GnRH increases

Answer : D

15- What causes the digestion of collagen fibres surrounding the mature Graafian follicle :

A- Prostaglandin

B- FSH

C- Estrogen

D- Progesterone

E- Collagenase

Answer : E

16- What causes changing in the sperm binding sites at the zona pellucida :

A- FSH released by the pituitary gland

B- LH released by the pituitary gland

C- Acrosomal enzymes released by capacitated sperms

D- Enzymes released by the secondary oocyte from cortical granules

E- GnRH released by the hypothalamus

Answer : D

17- Decidua basalis :

- A-** Between the fetus and the myometrium
- B-** Covers the rest of the foetus
- C-** Lines the uterine cavity
- D-** Lines all the endometrium
- E-** Covers the embryo

Answer : A

18- Fertilization means :

- A-** Transport of the zygote from the uterine tube to the uterine cavity
- B-** Fusion of single sperm and an ovum to form zygote
- C-** Penetration of the endometrium by the blastocyst
- D-** Transportation of bilaminar embryonic disc to trilaminar
- E-** Occurs normally in the uterine tube and ovary

Answer : A

19- The number of blastomeres formed morula :

A- 8

B- 32

C- 4

D- 2

E- 16

Answer : E

20- All the following participate in the migration except :

A- Muscular peristalsis of the uterine tube

B- Cilia of tubal mucosa

C- Fluids secreted

D- Enzymes released by the secondary oocyte

Answer : D

21- The embryonic disc after folding becomes :

- A- Flat**
- B- Circular**
- C- Cylindrical**
- D- Long**
- E- Short**

Answer : C

22- The proximal part of the intaembryonic part of the Allantois forms :

A- Umbilical Cord

B- Base of the urinary bladder

C- Apex of the urinary bladder

D- Urinary bladder to the yolk sac

E- Lateral folds

Answer : C