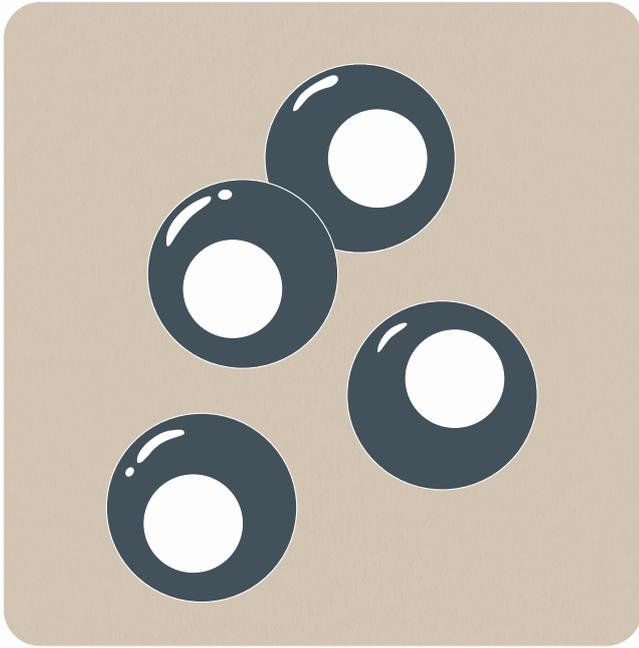
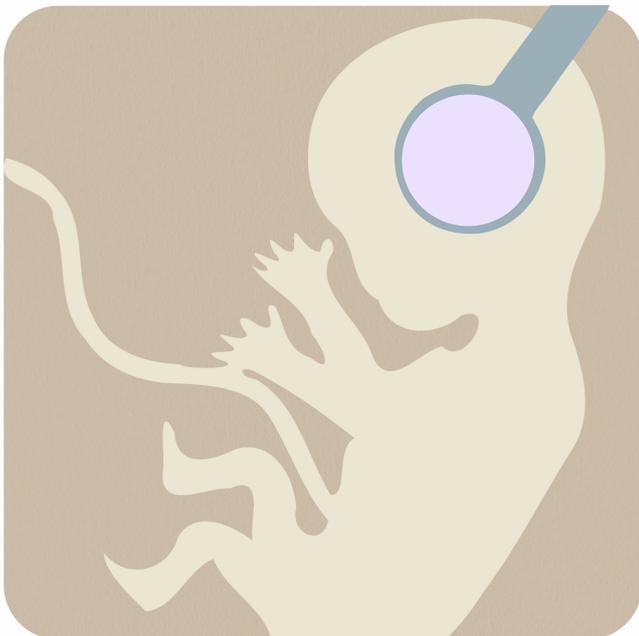


EMBRYOLOGY FINAL

HAKEEM



Done by:
Reem Saadeh



الطب والجراحة
لجنة

1. Origin of the Soleus muscle:

- a) Dermatome
- b) Myotome
- c) Sclerotome

Answer: b) Myotome

2. Origin of dermis:

- a) Dermatome
- b) Myotome
- c) Sclerotome

Answer: a) Dermatome

3. Origin of vertebrae:

- a) Dermatome
- b) Myotome
- c) Sclerotome

Answer: c) Sclerotome

4. In the female, the first meiotic division is completed:

- a) Before birth (fetal life)
- b) At puberty
- c) At ovulation, just before the secondary oocyte is released
- d) At fertilization, after sperm entry

Answer: c) At ovulation, just before the secondary oocyte is released

5. Day the secondary villi are formed:

- a) 11th day
- b) 12th day
- c) 14th day
- d) 15th day

Answer : d

6. Number of layers of anchoring villi:

- a) 4
- b) 5
- c) 3
- d) 2

Answer: c) 3

7. Main cause of membranous placenta:

- a) Persistence of decidua basalis
- b) Persistence of decidua capsularis
- c) Persistence of chorion frondosum
- d) Persistence of chorion laeve

Answer: d) Persistence of chorion laeve

8. Source of Wharton's jelly:

- a) Intra-embryonic mesoderm
- b) Extra-embryonic mesoderm

Answer: b) Extra-embryonic mesoderm

9. Ligamentum teres of the liver originates from:

- a) Left umbilical vein
- b) Right umbilical vein
- c) Umbilical arteries
- d) Vitelline duct

Answer: a) Left umbilical vein

10. Day primitive streak is formed:

- a) 15th day
- b) 16th day
- c) 17th day

Answer: a) 15th day

11. Day intra-embryonic mesoderm is formed:

- a) 15th day
- b) 16th day
- c) 17th day
- d) 18th day

Answer: c) 17th day

12. The first step in formation of the notochord:

- a) Primitive node
- b) Primitive pit

Answer: a) Primitive node

13. Gastrulation makes the embryo:

- a) Bilaminar
- b) Trilaminar

Answer: b) Trilaminar

14. Number of occipital bones in a child:

- a) 4
- b) 5
- c) 11
- d) 1

Answer: a) 4

15. Number of cervical somites in the 4th week:

- a) 7
- b) 8
- c) 9
- d) 10

Answer: b) 8

16. Structure between C1 and C4:

- a) Nucleus pulposus
- b) Chordoma
- c) Nucleus annulus

Answer: a) Nucleus pulposus

17. Germ layer of male urethra (glans penis):

- a) Endoderm
- b) Ectoderm
- c) Mesoderm

Answer: b) Ectoderm

18. Persistence of the proximal end of the vitelline duct:

- a) Meckel's diverticulum
- b) Vitelline fistula
- c) Vitelline cyst

Answer: a) Meckel's diverticulum

19. Discharge of urine from the umbilicus (fetus):

- a) Urachal cyst
- b) Vitelline fistula
- c) Urachal fistula
- d) Urachal sinus
- e) Vitelline cyst

Answer: c) Urachal fistula

20. Descending of testis is due to:

- a) Gonadotropins

Answer: a) Gonadotropins

21. Hormone that causes gestational diabetes when increased:

- a) (somatomammotropin)

Answer: a

22. Cause of placenta praevia:

- a) Delayed rupture of the zona pellucida

Answer: a) Delayed rupture of the zona pellucida

23. If the egg splits 4–8 days after fertilization:

- a) Diamniotic, monochorionic
- b) Dichorionic, diamniotic
- c) Monoamniotic, monochorionic

Answer: a) Diamniotic, monochorionic

24. All are results of tail folding except:

- a) Cloacal membrane ventral to caudal end of embryo
- b) Connecting stalk ventral to embryo
- c) Cloacal membrane ventral to allantois
- d) Connecting stalk containing allantois and vitelline duct

Answer: c) Cloacal membrane ventral to allantois

25. All are results of lateral folding except:

- a) Caudal parts of intra-embryonic coelom fuse to form single pericardial cavity
- b) Dorsal wall of embryo connects to dorsal mesentery
- c) Embryo becomes cylindrical in shape
- d) Midgut
- e) Intermediate mesoderm becomes dorsal to the peritoneal cavity

Answer: a) Caudal parts of intra-embryonic coelom fuse to form single pericardial cavity

26. Epiblast is:

- a) Endoderm
- b) Caudal
- c) Ectoderm
- d) Ventral

Answer: c) Ectoderm

27. All the following about the notochord are correct except:

- a) It forms the axial skeleton of the embryo after development of the vertebral column.**
- b) It secretes signals to stimulate development of somites.**
- c) It secretes signals to stimulate development of the neural tube.**

Answer: Statement 1 is the exception (a)

28. All the following are derived from ectoderm except:

- a) Schwann cell**
- b) Chromaffin cell**
- c) Pigment cell**
- d) Dura mater**

Answer: d) Dura mater

29. The foregut relative to the heart tube:

- a) Ventral**
- b) Dorsal**
- c) Cranial**
- d) Caudal**

Answer: b) Dorsal

30. The heart tube to the pericardial cavity:

- a) Dorsal**
- b) Distal**
- c) Ventral**
- d) Medial**

Answer: c) Ventral

31. Urogenital sinus relative to the urorectal sinus:

- a) Dorsal**
- b) Distal**
- c) Ventral**
- d) Medial**

Answer: a) Dorsal

32. Intermediate mesoderm becomes ... relative to the peritoneal cavity:

- a) Dorsal
- b) Ventral
- c) Medial
- d) Distal

Answer: a) Dorsal

33. Left umbilical artery relative to left umbilical vein:

- a) Longer
- b) Shorter
- c) Ventral

Answer: b) Shorter

34. Origin of ligamentum teres of liver:

- a) Left umbilical vein
- b) Right umbilical vein
- c) Two umbilical arteries
- d) Vitelline duct

Answer: a) Left umbilical vein

35. All are congenital anomalies of the umbilical cord except:

- a) Very long cord
- b) Very short cord
- c) False knotting of the cord
- d) Double cord

Answer: c) False knotting of the cord

36. Which of the following is caused by proximal end of the vitelline duct:

- a) Meckel's diverticulum
- b) Vitelline fistula
- c) Vitelline cyst

Answer: a) Meckel's diverticulum

37. All the following are true about the placenta except:

- a) Gas exchange
- b) Nutrition
- c) Passive immunity
- d) Active immunity
- e) Excretion of waste

Answer: d) Active immunity

38. Which of these penetrates the uterine wall and attaches to another organ:

- a) Accreta
- b) Increta
- c) Percreta
- d) Parcreta

Answer: c) Percreta [focus on the spelling while studying]

قال الله تعالى في سورة المؤمنون:

(وَلَقَدْ خَلَقْنَا الْإِنْسَانَ مِنْ سُلَالَةٍ مِنْ طِينٍ * ثُمَّ جَعَلْنَاهُ نُطْفَةً فِي قَرَارٍ مَكِينٍ * ثُمَّ خَلَقْنَا النُّطْفَةَ عَلَقَةً فَخَلَقْنَا الْعَلَقَةَ مُضْغَةً فَخَلَقْنَا الْمُضْغَةَ عِظَامًا فَكَسَوْنَا الْعِظَامَ لَحْمًا ثُمَّ أَنْشَأْنَاهُ خَلْقًا آخَرَ فَتَبَارَكَ اللَّهُ أَحْسَنُ الْخَالِقِينَ)

فتفكر!