

تجميع أسئلة الميد لمساق

The General Embryology

4/4/2021



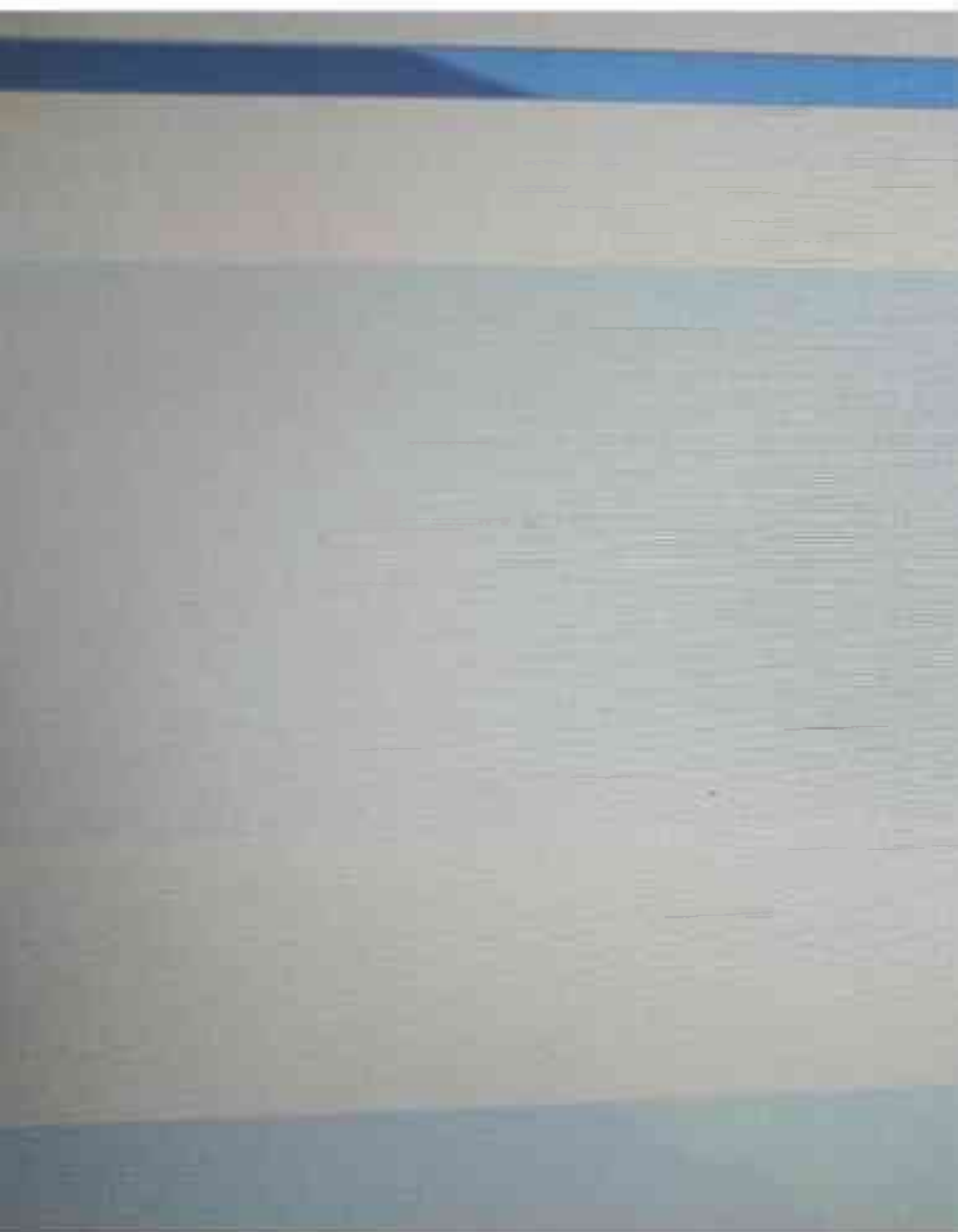
Good Luck



Hussam Abu Ishaiba

الاجابات المدرجة
خلال الملف غير
معتمة (حل فردي)

ملاحظة/ التكرار وارد



6. The zona pellucida:

- a. ☐ Contains a sperm receptor
- b. ☐ A and B only
- c. ☐ All of the above
- d. ☐ Is composed of follicle cells
- e. ☐ Is required for implantation

سؤال 5

غير مطابق عليه

بعد

الدرجة من 1.00

4 علم هذا

السؤال

:Secondary



46. The yolk sac cavity is lined by

- a. ☐ All of the above
- b. ☐ Mesoderm
- c. ☒ Endoderm
- d. ☐ Ectoderm
- e. ☐ None of the above

أخلى اختياري

سؤال 11

غير محتاب عليه
بعد

الدرجة من 1.00

٣ عليم هذا
السؤال

علم التشريح والأجنة العام د. عصمت ابو عساكر

لوحة التحكم / مقرراتي الدراسية / الفصل الثاني 20_21 / الطب البشري / الطب البشري - قسم عام / علم التشريح والأجنة العام د. عصمت ابو عساكر / 4 أبريل

General Embryology Midterm /

إختبار

الوقت المتبقي 0:18:48

32 Which of the following are true regarding the prechordal plate

- a. ☐ It marks the site of the future anal opening
- b. ☐ It develops from the hypoblast at the end of week two
- c. ☐ None of the above
- d. ☐ It forms at the caudal end of the embryonic plate

سؤال 1

غير محاب عليه

نقد

الدرجة من 1.00

٢٠ علم هذا

السؤال

الصفحة التالية

<https://moodle.aiaath.edu/mod/quiz/view.php?id=15431>

الوقت المتبقي 0:14:19

سؤال 8

غير مجاب عليه بعد

الدرجة من 1.00

٣ علم هذا السؤال

In the compacted ball of cells known as a .4 morula, the cells on the outside will most likely develop into

- a. ☐ Epiblast
- b. ☐ The zona pellucida
- c. ☐ Hypoblast
- d. ☐ Trophoblast
- e. ☐ A hydatidiform mole

6. The zona pellucida :

- a. A and B only ☐
- b. Contains a sperm receptor ☐
- c. Is composed of follicle cells ☐
- d. Is required for implantation ☐
- e. All of the above ☐

الصفحة التالية

تنقل الاختبار

1	2	3	4	5	6	7	8	9
10	11	12	13	14	15			

إنهاء المحاولة ...

At which location in the female genital tract .37
can sperm cell remain vital for a long period of
? time

Cervix glands .a ☐

None of the above .b ☐

Isthmus .c ☐

Ampulla .d ☐

Vaginal cavity .e ☐

الصفحة التالية

تنقل الاختبار

10	9	8	7	6	5	4	3	2	1
					15	14	13	12	11



إنهاء المحاولة ...

سؤال 5

غير مجاب عليه بعد

الدرجة من 1.00

٣ علم هذا السؤال

It is currently believed that the sperm .16
acrosome reaction is induced by

- a. cortical granules ☐
- b. the oocyte plasma membrane ☐
- c. a glycoprotein in the zona pellucida ☐
- d. hyaluronidase ☐
- e. the cumulus oophorus ☐

الوقت المتبقي 0:09:43

سؤال 5

غير محاب عليه بعد

الدرجة من 1.00

علم هذا السؤال

In the compacted ball of cells known as a .4 morula, the cells on the outside will most likely :develop into

A hydatidiform mole .a ☐

Epiblast .b ☐

Trophoblast .c ☐

Hypoblast .d ☒

The zona pellucida .e ☐

أخل اختياري

الوقت المتبقي 0:15:11

سؤال 5

غير مجاب عليه بعد

الدرجة من 1.00

علم هذا السؤال

It is currently believed that the sperm .16
acrosome reaction is induced by

- a. cortical granules ☐
- b. the oocyte plasma membrane ☐
- c. a glycoprotein in the zona pellucida ☐
- d. hyaluronidase ☐
- e. the cumulus oophorus ☐

علم التشريح والأجنة العام د. عصمت ابو عساكر

حجة التحكم / مقرراتي الدراسية / الفصل الثاني 20_21 / الطب البشري / الطب البشري - قسم عام / علم التشريح والأجنة العام د. عصمت ابو عساكر / 4

The wall of the blastocyst is known as the trophoblast. Some of it is designed to develop into the 3

- a. ☐ Extra embryonic mesoderm
- b. ☐ Ectodermal roof of the neural canal
- c. ☐ Prochordal plate
- d. ☐ Lining of the amniotic cavity
- e. ☐ Decidua basalis

سؤال 7

يرجى جواب عليه

عدد

درجة من 1.00

علم هذا

سؤال

With a polyspermy block, the following occurs. 14

- A dissolving of the zona pellucida and a hardening of the oocyte membrane .a ☐
- Only a hardening of the zona pellucida .b ☐
- A hardening of the zona pellucida and a dissolving of the oocyte membrane .c ☐
- A hardening of the zona pellucida and alteration of the oocyte membrane .d ☐
- Only a hardening of the oocyte membrane .e ☐

8. The all following statements regards fertilization are true except:

- ☐ a. Luteal cells of corpus luteum continue to secrete progesterone until the end of the 4th month.
- ☐ b. If fertilization fails to occur, the corpus luteum reaches maximum development about 21 days after ovulation.
- ☐ c. If the oocyte is fertilized, degeneration of the corpus luteum is prevented by hCG.
- ☐ d. If fertilization fails to occur, the corpus luteum decreases in size through degeneration of luteal cells and mass of fibrotic scar tissue, known as corpus albicans.

The all following statements regards .8
:fertilization are true except

- a ☐ If the oocyte is fertilized. degeneration of the corpus luteum is prevented by .hCG
- b ☐ If fertilization fails to occur, the corpus luteum reaches maximum development .about 21 days after ovulation
- c ☐ If fertilization fails to occur, the corpus luteum decreases in size through degeneration of luteal cells and forms a mass of fibrotic scar tissue, known as .corpus albicans
- d ☐ Luteal cells of corpus luteum continue to secrete progesterone until the end of .the 4th month



التشريح والأجنة العام د. عصمت ابو عساكر

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الوقت المتبقي

In the compacted ball of cells known as a morula, the cells on the outside will most likely develop into 4

A hydatidiform mole a ☐

Epiblast b ☐

The zona pellucida c ☐

Hypoblast d ☐

Trophoblast e ☐

عليه
100
%

: The normal haploid chromosome number of the human is .25

- .a ☐ autosomes + 2 different sex chromosomes 22
- .b ☐ autosomes + 2 identical sex chromosomes 22
- .c ☐ autosomes + a male or female sex chromosome 22
- .d ☐ autosomes + a male or female sex chromosome 23
- .e ☐ autosomes + 2 different sex chromosomes 23

The follicular phase of the ovarian cycle is .29
:under control of

- .None of the above .a ☐
- .Progesterone .b ☐
- .Luteinizing hormone .c ☐
- .Corpus luteum .d ☐
- .Pituitary FSH .e ☐

42. The first stage to reach the uterine lumen after fertilization

a. Two cell stage ☐

b. Four cell stage ☐

c. Morula ☐

d. Zygote ☒

e. Blastocyst ☐

أجل اختياري



مح والأجنة العام د. عصمت ابو عساكر

الدراسية / الفصل الثاني 20_21 / الطب البشري / الطب البشري - قسم عام / علم التشريح والأجنة العامة
General Embryology

18. At ninth Day of Development

- ☐ a. Formation of the primitive yolk sac
- ☐ b. All of the above
- ☐ c. None of the above
- ☐ d. The blastocyst is more deeply embedded in the endometrium
- ☐ e. Include the lacunar stage

Which of the following stages in development is the one that normally implants into the uterus.30

Mature oocyte .a ☐

Blastocyst .b ☐

Morula .c ☐

cell stage-8 .d ☐

Zygote .e ☐

محاضرة الأجنة العام د. عصمت ابو عساكر

الدراسية / الفصل الثاني 20_21 / الطب البشري / الطب البشري - قسم عام / علم التشريح والأجنة العام د. عصمت

38. After fertilization, the conceptus will begin to implant in the uterus by

a. ☐ days 10-12

b. ☐ days 3-4

c. ☐ days 14-16

d. ☐ days 6-7

e. ☐ days 19-20

ريح والأجنة العام د. عصمت ابو عساكر

في الدراسة / الفصل الثاني 20_21 / الطب البشري / الطب البشري - قسم عام / علم التشريح والأجنة
General Embryology

5. It is approximately correct to compute the age of an embryo from the fourteenth day after

a. ☐ Last missed menstrual period

b. ☐ Onset of last menstruation

c. ☐ Last full moon

d. ☐ Last sexual intercourse



الوقت المتبقي 0:14:58

سؤال 4

غير مجاب عليه بعد

الدرجة من 1.00

علم هذا السؤال

The first cavity to appear in the developing .36 conceptus is the

Blastocoele .a ☐

Yolk sac .b ☒

Coelomic .c ☐

Chorionic .d ☐

Amniotic .e ☐

أخل اختياري

13

43. The chorion consists of

سؤال 3

غير محاب عليه

بعد

الدرجة من 1.00

٣ علم هذا

السؤال

a. None of the above ☐

b. Extraembryonic mesoderm ☐

c. Syncytiotrophoblast ☐

d. Cytotrophoblast ☐

e. All of the above ☐



The time required for a spermatogonium to become a mature sperm is 26

- a ☐ days 61-65
- b ☐ days 50
- c ☐ days 73-75
- d ☐ days 2
- e ☐ days 10

مطاب عليه

الدرجة من 1.00

عليه هذا

المؤال

سؤال 1

غير مجاب عليه بعد

الدرجة من 1.00

٣ علم هذا السؤال

At which location in the female genital tract .15
can sperm cell remain vital for a long period of
? time

Cervix glands .a ☐

Vaginal cavity .b ☐

None of the above .c ☐

Isthmus .d ☐

Ampulla .e ☐

الوقت المتبقي 0:18:35

سؤال 2

غير مجاب عليه بعد

الدرجة من 1.00

علم هذا السؤال ٣

Oocytes complete the first meiotic division .7

- ☐ a. when the oocyte is fertilized
- ☐ b. when a primordial follicle begins to develop
- ☐ c. just before ovulation
- ☐ d. during the fetal period
- ☐ e. at puberty

الصفحة التالية

oodle-83



My Courses ▾

This Course ▾

English (en) ▾

التشريح والأجنة العام د. عصمت ابو

الطب البشرى - قسم عام / الطب البشرى / الفصل الثاني 21_20 / My courses

Embryology Midterm

32. Which of the following are true regarding the prechordal plate?

- ☐ a. None of the above.
- ☐ b. It marks the site of the future anal opening.
- ☐ c. It forms at the caudal end of the embryonic plate
- ☐ d. It develops from the hypoblast at the end of week two.

32. Which of the following are true regarding the prechordal plate.

- a. ☐ It develops from the hypoblast at the end of week two.
- b. ☒ None of the above.
- c. ☐ It marks the site of the future anal opening.
- d. ☐ It forms at the caudal end of the embryonic plate.

أجل اختياري



3



moodle.alazhar.edu.ps/mod/



الوقت المتبقي 0:11:19

سؤال 3

غير مجاب عليه بعد

الدرجة من 1.00

علم هذا السؤال

Which of the following are true regarding .32
?the prechordal plate

- a. ☐ It forms at the caudal end of the embryonic plate
- b. ☐ .None of the above
- c. ☐ It develops from the hypoblast at the .end of week two
- d. ☐ It marks the site of the future anal .opening

الصفحة التالية

تنقل الاختبار



9	8	7	6	5	4	3	2	1
			15	14	13	12	11	10



الوقت المتبقي 0:17:11

سؤال 4

غير مجاب عليه بعد

الدرجة من 1.00

٣ علم هذا السؤال

The first cavity to appear in the developing .36 conceptus is the

- a . Amniotic ☐
- b . Chorionic ☐
- c . Blastocoele ☐
- d . Yolk sac ☐
- e . Coelomic ☐

الصفحة التالية

تنقل الاختبار

9	8	7	6	5	4	3	2	1		
					15	14	13	12	11	10



إنهاء المحاولة ...

ريج والأجنة العام د. عصمت ابو عساكر

مراتبى الدراسية / الفصل الثانى 20_21 / الطب البشرى / الطب البشرى - قسم عام / علم التشريخ
General Embryology Midterm / ريل

الوقت المتبقى 0:16:48

14. With a polyspermy block, the following occurs

a ☐ A dissolving of the zona pellucida and a hardening of the oocyte membrane

b ☐ A hardening of the zona pellucida and a dissolving of the oocyte membrane

c ☒ A hardening of the zona pellucida and alteration of the oocyte membrane

d ☐ Only a hardening of the oocyte membrane

e ☐ Only a hardening of the zona pellucida

Time left 0:16:31

Question 1

Not yet
answered

Marked out of
1.00

Flag question

28. Completing of the second meiotic division of the ovum occurs:

- ☐ a. ^IAt fertilization.
- ☐ b. Before ovulation.
- ☐ c. 24 hours after ovulation.
- ☒ d. At ovulation.
- ☐ e. 24 hours before ovulation.

Clear my choice



سؤال 4

الوقت المتبقي 0:15:27

غير مجاب عليه بعد

الدرجة من 1.00

علم هذا السؤال

Which of the following is the most correct .35
.regarding ZP3

- a ☐ It is a molecule in the zona pellucida that induces capacitation
- b ☐ .Both C & D are correct
- c ☐ It is a molecule on the sperm that binds to the oocyte plasma membrane
- d ☐ It is a molecule on the sperm head that binds to the zona pellucida
- e ☐ It is a molecule in the zona pellucida that acts as a sperm receptor

Implantation of the blastocyst cannot occur 33

Outside the uterus a ☐

All of the above b ☒

Until syntrophoblast begins production of human chorionic gonadotropin c ☐

Prior to hatching from the zona pellucida d ☐

None of the above e ☐

اختر اجابتي

42. The first stage to reach the uterine lumen after fertilization

a. Two cell stage ☐

b. Zygote ☒

c. Morula ☐

d. Four cell stage ☐

e. Blastocyst ☐

اختر اختياري

سؤال 2

عبر محتاب عليه
بعد

الدرجة من 1.00

٣ علم هذا
السؤال

13. Estrogen is secreted by

- a. ☐ Extraembryonic mesoderm
- b. ☐ Corpus albicans
- c. ☐ Theca interna cells
- d. ☐ Corpus luteum
- e. ☐ B and D only



36. The first cavity to appear in the developing conceptus is the

- ☐ a. Chorionic
- ☐ b. Yolk sac
- ☐ c. Amniotic
- ☐ d. Coelomic
- ☐ e. Blastocoele

After fertilization, the conceptus will begin to implant in the uterus .17

days 3-4 .a ☐

days 19-20 .b ☐

days 10-12 .c ☐

days 6-7 .d ☐

days 14-16 .e ☐

17. After fertilization, the conceptus will begin to implant in the uterus.

- a. ☐ days 3-4
- b. ☐ days 14-16
- c. ☐ days 19-20
- d. ☐ days 6-7
- e. ☐ days 10-12

سؤال 12

غير محال عليه
بعد

الدرجة من 100

3 علم هذا
السؤال

41. The corpus luteum of pregnancy remains active until

a. ☐ End of pregnancy

b. ☐ 24 hours after birth of the child

c. ☐ 4th month

d. ☒ Implantation is completed

e. ☐ End of the lactation period

It is approximately correct to compute the .5
:age of an embryo from the fourteenth day after

Last full moon .a ☐

Last missed menstrual period .b ☐

Onset of last menstruation .c ☐

Last sexual intercourse .d ☐

12. Which of following cells are not capable of some sort of cell division, and hence of increasing the number of male germ cells (spermatozoa)

- a ☐ .Primary spermatocyte
- b ☐ .Spermatid
- c ☐ .Spermatogonia
- d ☐ .All of the above can undergo cell division
- e ☐ .Secondary spermatocyte

: The chorion consists of all of the following Except .31

- .a ☐ Syncytiotrophoblast
- .b ☐ None of the above
- .c ☐ Extraembryonic splanchnic mesoderm
- .d ☐ Cytotrophoblast
- .e ☐ Extraembryonic somatic mesoderm

الوقت المتبقي 3:08

In the compacted ball of cells known as a morula, the cells on the outside will most likely develop into

Trophoblast ☐

A hydatidiform mole ☐

Hypoblast ☐

The zona pellucida ☐

Epiblast ☐

الصفحة التالية

سؤال 5

غير مجاب عليه بعد

الدرجة من 1.00

٣ علم هذا السؤال

During a normal (i.e. average) menstrual .23 cycle, progesterone levels would be highest on day

28 .a ☐

0 .b ☐

14 .c ☐

4 .d ☐

24 .e ☐



All these cells contain 23 chromosomes Except

- ☒ a. Spermatozoon
- ☐ b. Spermatid
- ☐ c. Oogonium
- ☐ d. Secondary spermatocyte
- ☐ e. Mature ovum

أخلى اختياري

سؤال 5

ير جواب عليه
عد

لدرجة من 1.00

٣ عليم هذا
للسؤال

Question 8

Not yet
answered

Marked out of
1.00

🚩 Flag question

32. Which of the following are true regarding the prechordal plate?

- ☐ a. It forms at the caudal end of the embryonic plate
- ☒ b. It marks the site of the future anal opening.
- ☐ c. It develops from the hypoblast at the end of week two.
- ☐ d. None of the above.

Clear my choice

4. In the compacted ball of cells known as a morula, the cells on the outside will most likely develop into .4

- a ☐ Trophoblast
- b ☐ A hydatidiform mole
- c ☒ Hypoblast
- d ☐ The zona pellucida
- e ☐ Epiblast

احل اختیاری

والأجنة العام د. عصمت ابو عساكر

اسية / الفصل الثاني 20_21 / الطب البشري / الطب البشري - قسم عام / علم التشريح والأجنة العام د. عصمت

35. Which of the following is the most correct regarding ZP3

- a. ☐ Both C & D are correct
- b. ☐ It is a molecule on the sperm that binds to the oocyte plasma membrane
- c. ☐ It is a molecule in the zona pellucida that acts as a sperm receptor
- d. ☐ It is a molecule in the zona pellucida that induces capacitation
- e. ☐ It is a molecule on the sperm head that binds to the zona pellucida

32. Which of the following are true regarding the prechordal plate?

- a ☒ It forms at the caudal end of the embryonic plate
- b ☐ None of the above
- c ☐ It marks the site of the future anal opening
- d ☐ It develops from the hypoblast at the end of week two

أخل اختياري

38. After fertilization, the conceptus will begin to implant in the uterus by

- a. ☐ days 3-4
- b. ☐ days 10-12
- c. ☐ days 14-16
- d. ☐ days 19-20
- e. ☐ days 6-7

سؤال 2

غير محاب عليه
بعد

الدرجة من 1.00

٣ علم هذا
السؤال

.6 The zona pellucida :

Is required for implantation .a ☐

Is composed of follicle cells .b ☐

Contains a sperm receptor .c ☐

All of the above .d ☐

A and B only .e ☒

16. It is currently believed that the sperm acrosome reaction is induced by

- ☐ a. the cumulus oophorus
- ☐ b. hyaluronidase
- ☐ c. cortical granules
- ☐ d. a glycoprotein in the zona pellucida
- ☐ e. the oocyte plasma membrane

Which of the following is the most correct regarding .35
.ZP3

It is a molecule on the sperm that binds to the
oocyte plasma membrane .a ☐



.Both C & D are correct .b ☐

It is a molecule in the zona pellucida that acts as a
sperm receptor .c ☐

It is a molecule on the sperm head that binds to
the zona pellucida .d ☐

It is a molecule in the zona pellucida that induces
capacitation .e ☐

12. Which of following cells are not capable of some sort of cell division, and hence of increasing the number of male germ cells (spermatozoa):

- ☐ a. Primary spermatocyte.
- ☐ b. Secondary spermatocyte.
- ☐ c. All of the above can undergo cell division.
- ☒ d. Spermatogonia.
- ☐ e. Spermatid.

[Clear my choice](#)

19. During the process of meiosis, the DNA replicates itself.

- a. ☐ In between the first and second meiotic divisions
- b. ☐ Both A and B
- c. ☐ During chiasma formation
- d. ☐ Prior to the first meiotic division

سؤال 6

فر جواب عليه

حد

لدرجة من 1.00

٢ عليم هذا

السؤال

Activate Windows

Go to Settings to activate Windows

It is currently believed that the sperm acrosome reaction is induced by .16

- hyaluronidase .a ☐
- the oocyte plasma membrane .b ☐
- cortical granules .c ☐
- a glycoprotein in the zona pellucida .d ☐
- the cumulus oophorus .e ☐



41. The corpus luteum of pregnancy remains active until:

- ☐ a. 24 hours after birth of the child.
- ☐ b. End of pregnancy.
- ☐ c. Implantation is completed.
- ☒ d. 4th month.
- ☐ e. End of the lactation period.

Clear my choice

The zona pellucida .22

- a ☒ contains a sperm receptor
- b ☐ is composed of follicle cells
- c ☐ a and b only
- d ☐ all of the above
- e ☐ is required for implantation

أخل اختياري

42. The first stage to reach the uterine lumen after fertilization:

- ☐ a. Two cell stage.
- ☐ b. Morula.
- ☐ c. Blastocyst.
- ☐ d. Four cell stage.
- ☐ e. Zygote.

30. Which of the following stages in development is

- ☐ a. Mature oocyte.
- ☐ b. Zygote.
- ☐ c. Morula.
- ☒ d. Blastocyst.
- ☐ e. 8-cell stage.

[Clear my choice](#)



Time

the one that normally implants into the uterus?

Final

8. The all following statements regards fertilization are true except

- a ☐ Luteal cells of corpus luteum continue to secrete progesterone until the end of the 4th month
- b ☐ If the oocyte is fertilized, degeneration of the corpus luteum is prevented by hCG
- c ☐ If fertilization fails to occur, the corpus luteum decreases in size through degeneration of luteal cells and forms a mass of fibrotic scar tissue, known as corpus albicans
- d ☐ If fertilization fails to occur, the corpus luteum reaches maximum development about 21 days after ovulation

?Which of the following are true regarding the prechordal plate 32

It forms at the caudal end of the embryonic plate .a ☒

None of the above .b ☐

It marks the site of the future anal opening .c ☐

It develops from the hypoblast at the end of week two .d ☐

الاجابة

At which location in the female genital tract .37
can sperm cell remain vital for a long period of
? time

Cervix glands .a ☐

None of the above .b ☐

Isthmus .c ☐

Ampulla .d ☐

Vaginal cavity .e ☐

19. During the process of meiosis, the DNA replicates itself.

a. ☐ In between the first and second meiotic divisions

b. ☐ During chiasma formation

c. ☐ Both A and B

d. ☒ Prior to the first meiotic division

اختر اختياري

سؤال 2

محتاج عليه

درجة من 1.00

لم هذا

ال

الوقت المتبقي 0:19:50

سؤال 1

غير محاب عليه بعد

الدرجة من 1.00

علم هذا السؤال

46. Secondary yolk sac cavity is lined by :

- a. Ectoderm
- b. Endoderm
- c. None of the above
- d. All of the above
- e. Mesoderm

