

سؤال 6

غير مجاب عليه بعد

الدرجة من 1.00

علم هذا السؤال

Teratomas may be derived from primordial germ cells or

- ☒ .a The primitive streak
- ☐ .b Notochord
- ☐ .c Syncytiotrophoblasts
- ☐ .d Caudal dysplasia
- ☐ .e Cytotrophoblasts

الوقت المتبقي 0:33:16

The following statement regarding twins pregnancy is correct

- a. ☐ Most premature infants result from twin pregnancy
- b. ☐ Approximately one-thirds of twins are dizygotic
- c. ☐ In most cases of monozygotic twins, splitting of the zygote occurs at the early blastocyst stage, The 2 embryos have a common placenta, & common chorionic cavity but have separate amniotic cavities
- d. ☐ None of the above
- e. ☐ Decrease with increasing maternal age

سؤال 4

غير محاب عليه
بعد

الدرجة من 1.00

٣ علم هذا
السؤال

سؤال 25

غير مجاب عليه بعد

الدرجة من 1.00

علم هذا السؤال

:The normal site of implantation is the

- ☐ a. Lower uterine segment
- ☒ b. Posterior wall of the uterus near the fundus
- ☐ c. Peritoneal cavity
- ☐ d. Surface of the ovary
- ☐ e. Cervix

الوقت المتبقي 0:37:03

The all following statements regards fertilization are true except

- a. ☐ If fertilization fails to occur, the corpus luteum reaches maximum development about 21 days after ovulation
- b. ☐ 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
- c. ☐ Luteal cells of corpus luteum continue to secrete progesterone until the end of the 4th month
- d. ☐ If the oocyte is fertilized, degeneration of the corpus luteum is prevented by chorion gonadotropin (hCG)

سؤال 3

غير مجاب عليه
بعد

الدرجة من 1.00

٣ عليم هذا
السؤال

سؤال 1

غير مجاب عليه بعد

الدرجة من 1.00

علم هذا السؤال

:Regarding the twins all are true except

- a ☐ Dizygotic twins may have identical sex and blood group
- b ☐ Monozygotic twins always have identical sex and blood group
- c ☐ Conjoint twins are dizygotic twins
- d ☐ Monozygotic twins may have double placenta
- e ☐ They may be monozygotic or dizygotic



الوقت المتبقي 0:08:22

سؤال 20

غير مجاب عليه بعد

الدرجة من 1.00

علم هذا السؤال

The following statements about the primitive
:streak are true, Except

- ☐ a. It forms the roof of the primitive gut
- ☐ b. Lies in the median plane of the embryonic disc
- ☐ c. Cloacal membrane lies caudal to it
- ☐ d. Is derived from the ectoderm
- ☐ e. Develops near the caudal end of embryo

:The amniotic cavity develops

- a. ☐ none of the above
- b. ☐ within the outer cell mass
- c. ☐ in extraembryonic mesoderm
- d. ☐ on the tenth day
- e. ☐ within the inner cell mass near the cytotrophoblast

سؤال 8

غير مجاب عليه
باعتد

الدرجة من 1.00

٣ علم هذا
السؤال

The intervillous space contains all of the following substances EXCEPT

- a. ☐ electrolytes
- b. ☐ carbon dioxide
- c. ☐ fetal blood
- d. ☐ oxygen
- e. ☐ maternal blood cells

سؤال 7

غير صحيح عليه
عدد

الدرجة من 1.00

3 عليم هذا
السؤال

Failure of closure of anterior neuropore may result in

Meningoencephalocoele .a ☐

Meningiococele .b ☐

Anencephaly .c ☐

All the above .d ☐

:With a polyspermy block, the following occurs

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

غير متجاب عليه بعد
الدرجة من 1.00
علم هذا السؤال

The primitive umbilical cord contains the
:following, except

- ☐ a. Allantois
- ☐ b. Intestinal loop
- ☒ c. One umbilical artery
- ☐ d. Vitelline duct
- ☐ e. Extra-embryonic coelom

الوقت المتبقي 0:38:12

سؤال 2

غير مجاب عليه بعد

الدرجة من 1.00

علم هذا السؤال

The first stage to reach the uterine lumen after
:fertilization

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

:The intraembryonic coelom located cranial to the oropharyngeal membrane becomes the

- oral cavity .a ☐
- stomodeum .b ☐
- cranial foregut .c ☐
- pericardial cavity .d ☒
- nasal cavity .e ☐

Placental changes at the end of pregnancy

- a. ☐ No changes in small capillaries of the villi
- b. ☐ Decrease in fibrous tissue in the core of the villus
- c. ☐ Deposition of fibrinoid on the surface of the villi in the junctional zone and chorionic plate
- d. ☐ All of the above
- e. ☐ Decrease in thickness of basement membranes in fetal capillaries

B . Decidua basalis

Syncytiotrophoblast .a ☐

Decidua parietalis .b ☐

Intervillous space .c ☐

B . Decidua basalis

Intervillous space .a ☐

Syncytiotrophoblast .b ☐

Decidua parietalis .c ☐



During the process of meiosis, the DNA replicates itself

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



سؤال 11

غير مجاب عليه
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٣ عليم هذا
السؤال

الدرجة من 1.00

علم هذا السؤال

In the third week of human embryonic
:development

- a ☐ the body stalk moves ventrally and joins with the yolk sac stalk to form the umbilical cord
- b ☐ a bilaminar embryonic disc is formed
- c ☐ the uteroplacental circulation is established
- d ☒ the neural plate is induced by the notochordal process and associated mesoderm
- e ☐ the amnion appears

:The most distinctive characteristic of a primary chorionic villus is its

- a ☐ cytotrophoblastic shell
- b ☒ cytotrophoblastic core
- c ☐ bushy appearance
- d ☐ extraembryonic somatic mesodermal core
- e ☐ outer syncytiotrophoblastic layer

:Regarding the twins all are true except

Monozygotic twins always have identical sex and blood group .a ☐

Conjoint twins are dizygotic twins .b ☒

Dizygotic twins may have identical sex and blood group .c ☐

Monozygotic twins may have double placenta .d ☐

They may be monozygotic or dizygotic .e ☐

: The chorion consists of

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

سؤال 9

غير محاب عليه
بعد

الدرجة من 1.00

٣ عليم هذا
السؤال

سؤال 18

غير مجاب عليه بعد

الدرجة من 1.00

علم هذا السؤال

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

a. ☐ 73-75 days

b. ☐ 50 days

c. ☐ 10 days

d. ☐ 61-65 days

e. ☐ 2 days



The intraembryonic coelom located cranial to the oropharyngeal membrane becomes the

pericardial cavity .a ☐

cranial foregut .b ☐

stomodeum .c ☐

oral cavity .d ☐

nasal cavity .e ☐

: The outside of the umbilical cord is covered by

The chorion .a ☐

The decidua capsularis .b ☐

The amnion .c ☒

Ectoderm .d ☐

Connective tissue .e ☐

: Functions of the Notochord

- a ☐ None of the above
- b ☐ will bring about formation of the neural tube (future nervous system)
- c ☐ Foundation upon which the vertebral column (vertebral bodies) will form
- d ☐ Acts as a rigid axis around which the embryo develops
- e ☒ All of the above

سؤال 19

غير مجاب عليه بعد

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علم هذا السؤال

The of the syncytiotrophoblast fuse to form the intervillous space which is filled with..... blood

a. tertiary villi, maternal ☐

b. lacunae, maternal ☒

c. villous chorion, fetal ☐

d. cotyledons, maternal ☐

e. lacunae, fetal ☐

غير مجاب عليه بعد

الدرجة من 1.00

علم هذا السؤال

:With a polyspermy block, the following occurs

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

سؤال 3

غير مجاب عليه بعد

الدرجة من 1.00

علم هذا السؤال

Almost all of the internal organs are well laid
down at ____ months

5 .a ☐

4 .b ☐

1 .c ☐

3 .d ☐

2 .e ☒

Erythroblastosis fetalis can occur when

When a mother is Rh-positive and the fetus is Rh-negative .a ☒

The septum transversum is absent .b ☐

An atrial septal defect is present .c ☐

Blood islands fail to form in the yolk sac .d ☐

None of the above .e ☐

? Viable fetus from which month of IUL

7th .a ☐

5th .b ☐

8th .c ☐

6th .d ☐

The following statement regarding twins
:pregnancy is correct

In most cases of monozygotic twins, .a ☐
splitting of the zygote occurs at the early
blastocyst stage, The 2 embryos have a
common placenta, & common
chorionic cavity but have separate
.amniotic cavities

.None of the above .b ☐

Most premature infants result from twin .c ☒
.pregnancy

.Decrease with increasing maternal age .d ☐

Approximately one-thirds of twins are .e ☐
.dizygotic



?Which of the following is NOT a component of the mature placental barrier

- the basement membrane of fetal capillaries .a ☐
- the syncytiotrophoblast .b ☐
- the cytotrophoblast .c ☒
- the endothelial lining of fetal capillaries .d ☐
- .all of the above are part of the mature placental barrier .e ☐

The following statement regarding twins pregnancy is correct

.a ☐ Decrease with increasing maternal age

.b ☒ Most premature infants result from twin pregnancy

.c ☐ In most cases of monozygotic twins, splitting of the zygote occurs at the early blastocyst stage, The 2 embryos have a common placenta, & common chorionic cavity but have separate amniotic cavities

.d ☐ None of the above

.e ☐ Approximately one-thirds of twins are dizygotic

أجل اختياري

Which of the following can cross the placenta
?barrier

all of the above .a ☐

A and B only .b ☐

HIV .c ☐

maternal antibodies .d ☐

rubella virus .e ☐

The wall of the chorionic sac is composed of

- a ☐ none of the above
- b ☐ trophoblast and exocoelomic membrane
- c ☐ extraembryonic splanchnic mesoderm and both layers of trophoblast
- d ☐ cytotrophoblast and syncytiotrophoblast
- e ☒ two layers of trophoblast lined by extraembryonic somatic mesoderm

The outside of the umbilical cord is covered by

The decidua capsularis .a ☐

The chorion .b ☐

Ectoderm .c ☐

The amnion .d ☒

Connective tissue .e ☐

أجل اختياري

The portion of the decidua which does not
:survive until the end of pregnancy is the

capsularis .a ☐

frondosum .b ☐

basalis .c ☐

parietalis .d ☐

laeve .e ☐

Functions of the Notochord :

- ☐ a. Acts as a rigid axis around which the embryo develops.
- ☐ b. All of the above.
- ☐ c. will bring about formation of the neural tube (future nervous system).
- ☐ d. Foundation upon which the vertebral column (vertebral bodies) will form.
- ☒ e. None of the above

[Clear my choice](#)

سؤال

غير مجاب عليه بعد

الدرجة من 1.00

علم هذا السؤال

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

.a ☐ .cell stage-8

.b ☐ .Mature oocyte

.c ☐ .Morula

.d ☐ .Zygote

.e ☒ .Blastocyst

غير مجاب عليه بعد

الدرجة من 1.00

علم هذا السؤال

: Functions of the Notochord

- ☐ a. None of the above
- ☐ b. will bring about formation of the neural tube (future nervous system)
- ☐ c. Foundation upon which the vertebral column (vertebral bodies) will form
- ☐ d. Acts as a rigid axis around which the embryo develops
- ☒ e. All of the above

:Completing of the second meiotic division of the ovum occurs

.At ovulation .a ☐

.On fertilization .b ☒

.hours after ovulation 24 .c ☐

.hours before ovulation 24 .d ☐

.Before ovulation .e ☐

الوقت المتبقي 0:05:56

Placental changes at the end of pregnancy

- a. ☐ Decrease in fibrous tissue in the core of the villus
b. ☐ Decrease in thickness of basement membranes in fetal capillaries
c. ☐ No changes in small capillaries of the villi
d. ☒ Deposition of fibrinoid on the surface of the villi in the junctional zone and chorionic plate
e. ☐ All of the above

سؤال 15

غير مجاب عليه

بعد

الدرجة من 1.00

٣ عليم هذا

السؤال

:Chorionic villi are designated as secondary chorionic villi when they

- develop a mesenchymal core .a ☒
- .none of the above .b ☐
- give rise to branch villi .c ☐
- contact the decidua basalis .d ☐
- are covered by syncytiotrophoblast .e ☐



Question 1

Not yet
answered

Marked out of
1.00

🚩 Flag question

Failure of closure of anterior neuropore may result in

- ☐ a. Anencephaly
- ☐ b. Meningoencephalocoele
- ☐ c. Meningiococele
- ☒ d. All the above

The corpus luteum starts to regress after
:days if fertilization did not occur

. 6 .a ☐

. 30 .b ☐

. 20-25 .c ☐

. 16-20 .d ☐

. 9-12 .e ☐

The wall of the chorionic sac is composed of

- a ☐ extraembryonic splanchnic mesoderm and both layers of trophoblast
- b ☐ none of the above
- c ☐ trophoblast and exocoelomic membrane
- d ☒ two layers of trophoblast lined by extraembryonic somatic mesoderm
- e ☐ cytotrophoblast and syncytiotrophoblast

During the third week of development of the
process of gastrulation

- Results in the formation of mesoderm .a ☒
- Results in the formation of a teratoma .b ☐
- Converts hypoblast to epiblast .c ☐
- Produces the beginnings of the amniotic cavity .d ☐
- Converts epiblast to hypoblast .e ☐

سؤال 15

غير مجاب عليه بعد

الدرجة من 1.00

علم هذا السؤال

A population of cells that gives rise to bones in the skull, melanocytes in the skin and spinal : ganglia is the

a. Neural crest ☒

b. Primitive streak ☐

c. Somite ☐

d. Dermatome ☐

الدرجة من 1.00

علم هذا السؤال

: All these cells contain 46 chromosomes Except

a ☐ .Spermatogonium

b ☐ .Primary spermatocyte

c ☐ .Oogonium

d ☐ .Primary oocyte

e ☒ .Spermatid

The following statements about the primitive streak are true, Except

- a. ☐ Cloacal membrane lies caudal to it
- b. ☐ Lies in the median plane of the embryonic disc
- c. ☒ It forms the roof of the primitive gut
- d. ☐ Is derived from the ectoderm
- e. ☐ Develops near the caudal end of embryo

13

مجاب عليه

جدة من 1.00

علم هذا

ؤال

:With a polyspermy block, the following occurs

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

سؤال 2

غير صحيح عليه
بعد

الدرجة من 1.00

3 عليم هذا
السؤال

: The normal haploid chromosome number of the human is

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

سؤال 5

غير محاب عليه
بعد

الدرجة من 1.00

٣ عليم هذا
السؤال

In general terms the ectodermal germ layer gives
: rise to all those organs and structures except

.Epidermis, including the hair and nails .a ☐

:Central nervous system .b ☐

;Peripheral nervous system .c ☐

Sensory epithelium of the ear, nose, and .d ☐
eye; and

.Gastrointestinal system specially liver .e ☐

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

a. Last missed menstrual period ☒

b. Last sexual intercourse ☐

c. Last full moon ☐

d. Onset of last menstruation ☐

3

بجاء عليه

وجه من 1.00

عليه هذا

سؤال

? Viable fetus from which month of IUL

7th .a ☐

5th .b ☐

8th .c ☐

6th .d ☐

سؤال 8

غير مجاب عليه
بعد

الدرجة من 1.00

٣ عليم هذا
السؤال

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 .chorion gonadotropin (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

الوقت المتبقي 0:31:06

The following statement regarding twins pregnancy is correct

- .Most premature infants result from twin pregnancy ☒ a
- .Approximately one-thirds of twins are dizygotic ☐ b
- In most cases of monozygotic twins, splitting of the zygote occurs at the early blastocyst stage, The 2 embryos ☐ c
.have a common placenta, & common chorionic cavity but have separate amniotic cavities
- .None of the above ☐ d
- .Decrease with increasing maternal age ☐ e

Although good nutrition is important throughout gestation, at what age (post-fertilization) would it be too late to begin taking folic acid just to prevent neural tube defects

- ☐ .a 4 weeks (28 days)
- ☐ .b End of the first trimester
- ☐ .c End of the 2nd trimester
- ☐ .d 8 weeks (56 days)

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 محاسب عليه
بعد

الدرجة من 1.00

3 تقييم هذا
السؤال

: Functions of the Notochord

- ☐ a. None of the above
- ☐ b. will bring about formation of the neural tube (future nervous system)
- ☐ c. Foundation upon which the vertebral column (vertebral bodies) will form
- ☐ d. Acts as a rigid axis around which the embryo develops
- ☒ e. All of the above

The ovulated mammalian oocyte is arrested at

- a. ☒ prophase of meiosis I
- b. ☐ prophase of meiosis II
- c. ☐ metaphase of meiosis II
- d. ☐ metaphase of meiosis I
- e. ☐ none of the above

أخلى اختياري

6

سؤال

غير مجاب عليه

عدد

لدرجة من 1.00

٣ عليم هذا

السؤال

: The normal haploid chromosome number of the human is

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

:The following statement regarding twins pregnancy is correct

- In most cases of monozygotic twins, splitting of the zygote occurs at the early blastocyst stage, The 2 embryos have a common placenta, & common chorionic cavity but have separate amniotic cavities .a ☐
- Approximately one-thirds of twins are dizygotic .b ☐
- None of the above .c ☐
- Most premature infants result from twin pregnancy .d ☒
- Decrease with increasing maternal age .e ☐

الوقت المتبقي 05

The following statement regarding twins pregnancy is correct

- a ☐ .None of the above
- b ☐ .Approximately one-thirds of twins are dizygotic
- c ☒ .Most premature infants result from twin pregnancy
- d ☐ .Decrease with increasing maternal age

e ☐ In most cases of monozygotic twins, splitting of the zygote occurs at the early blastocyst stage, The 2 embryos have a common placenta, & common chorionic cavity but have separate amniotic cavities

.At the time of implantation, the uterine endometrium is in the proliferative stage

True .a ☐

False .b ☒

الدرجة من 1.00

علم هذا السؤال

At the time of implantation, the uterine endometrium is in the proliferative stage

True .a ☐

False .b ☒

The dermis of the skin of the limbs is derived from

- ☐ .a Somitic dermatome
- ☐ .b Splanchnic mesoderm
- ☒ .c Somatic mesoderm
- ☐ .d Surface ectoderm
- ☐ .e Neural crest cells

The epiblast gives rise to

Mesoderm .a ☐

All of the above .b ☐

Trophoblast .c ☐

A and B .d ☐

Ectoderm .e ☐

During the process of meiosis, the DNA replicates itself

a. ☐ During chiasma formation

b. ☐ Both A and B

c. ☐ In between the first and second meiotic divisions

d. ☐ Prior to the first meiotic division

سؤال 10

غير مجاب عليه
بعد

الدرجة من 1.00

لم يتم هذا
السؤال



:Graafian follicle can attain a size of

mm 25-50 .a ☐

.mm 120 .b ☐

μm 120 .c ☐

.mm 20-25 .d ☐

μm 20-25 .e ☐

Oocytes complete the first meiotic division

when a primordial follicle begins to .a ☐
develop

at puberty .b ☒

when the oocyte is fertilized .c ☐

during the fetal period .d ☐

just before ovulation .e ☐

The of the syncytiotrophoblast fuse to form the intervillous space which is filled with.....
.blood

- a ☐ villous chorion, fetal
- b ☐ tertiary villi, maternal
- c ☐ lacunae, fetal
- d ☐ cotyledons, maternal
- e ☒ lacunae, maternal

? Viable fetus from which month of IUL

6th .a ☐

7th .b ☐

5th .c ☐

8th .d ☐