



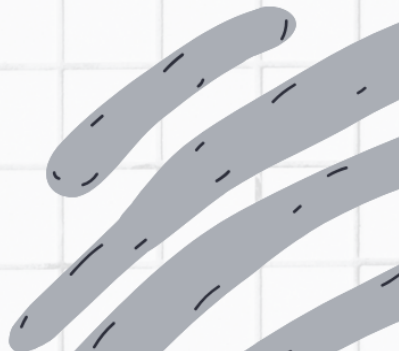
BIOLOGY 105

PAST PAPERS - SECOND EXAM

chapter no: **12**

Done by :

Mahmoud Aljhani



Q1

سؤال 33 / 50

ميز هذا السؤال

Anaphase is characterized by

- .1 division of the centromeres to separate sister chromatids
- .2 migration of the centrioles to opposite poles of the nuclear space
- .3 cleavage furrow starts to form
- .4 asters disappear

التالي

السابق

إضافة ملاحظة

Q2

سؤال 34 / 50

ميز هذا السؤال

?Which stage is most associated with a cell that is unable to divide again, such as a muscle or nerve cell

- .1 M phase
- .2 G1 phase
- .3 G2 phase
- .4 G0 phase

التالي

السابق

إضافة ملاحظة

Q3

سؤال 36 / 50

ميز هذا السؤال

Chromosomes are duplicated only during the S phase

True .1

False .2

التالي

السابق

Q4

5 : 43

سؤال 35 / 50

ميز هذا السؤال

If a parent cell before mitosis has 14 chromosomes, how many chromosomes will each daughter cell have

14 .1

28 .2

7 .3

any number between 7 and 28 .4

التالي

السابق

استاذة صلاحية

Q5

سؤال 34 / 50

مبرز هذا السؤال

1 of the following occur during prophase of mitosis in animal cells **EXCEPT**

- .1 chromosomes are duplicated
- .2 the spindle begins to organize
- .3 the centrioles move toward opposite poles
- .4 the nucleolus can no longer be seen
- .5 the nuclear envelope disappears

التالي السابق

Q6

سؤال 33 / 50

مبرز هذا السؤال

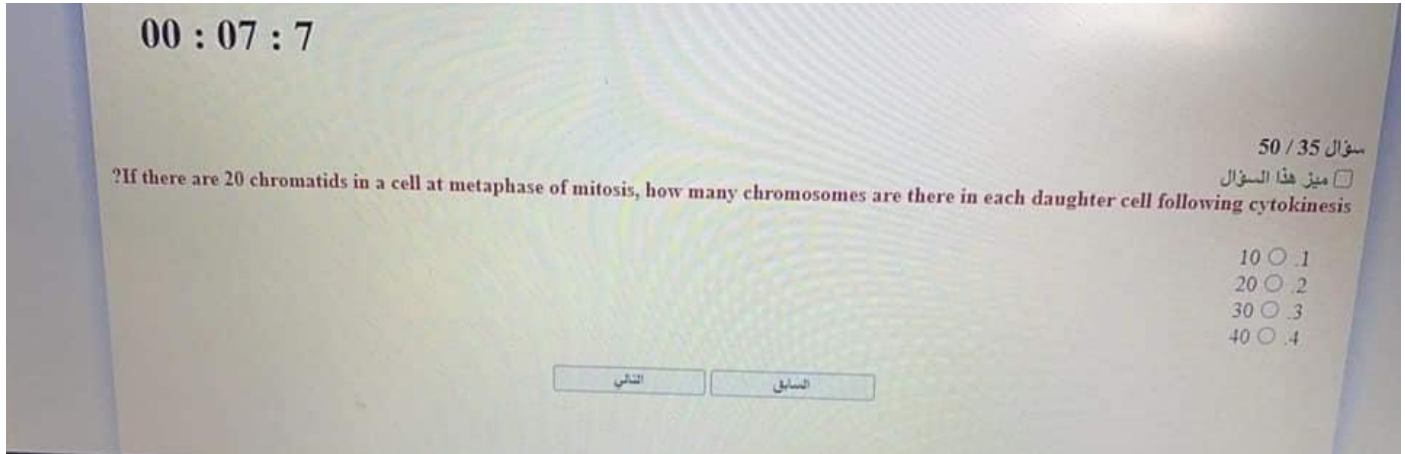
? Which of these is paired **INCORRECTLY**

- .1 prometaphase - the kinetochore become attached to spindle fibers
- .2 anaphase - daughter chromosomes move to opposite poles
- .3 metaphase - the chromosomes are aligned in the metaphase plate
- .4 telophase - a resting phase between cell division cycles

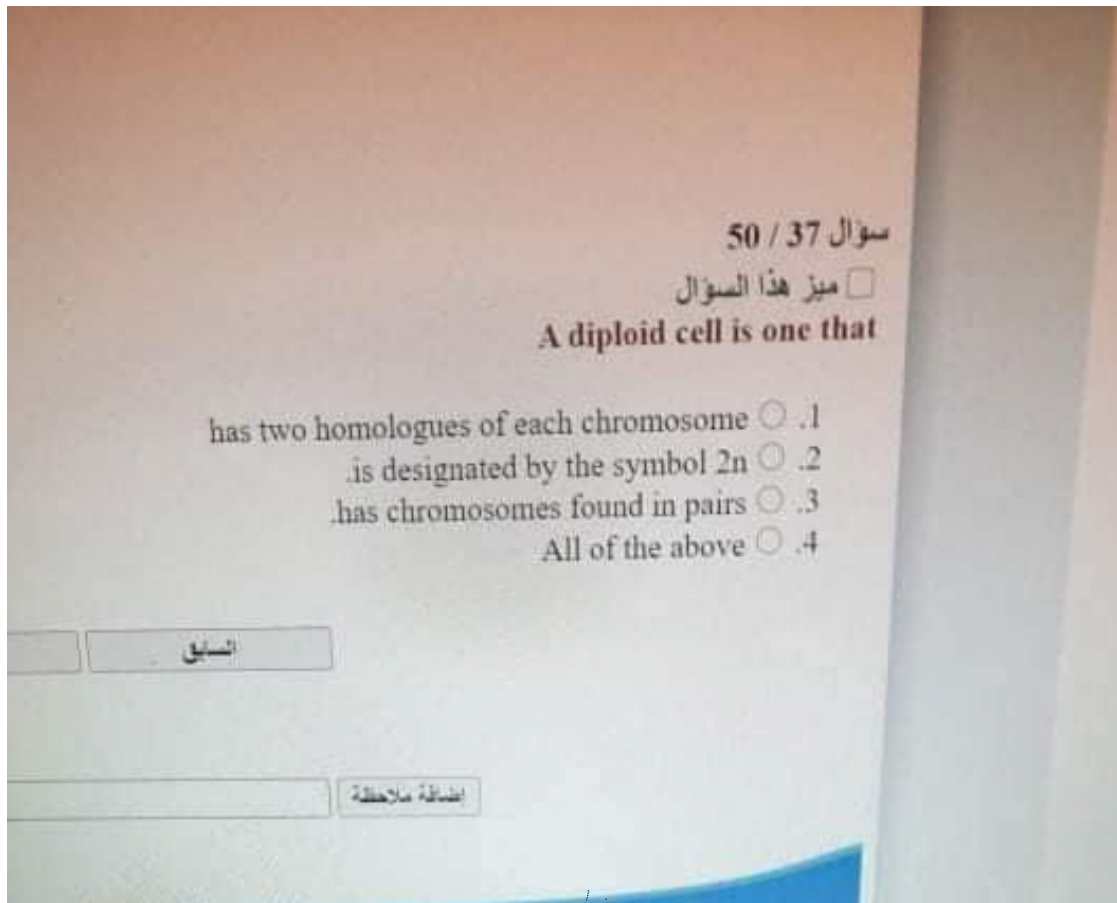
التالي السابق

إضافة ملاحظة

Q7



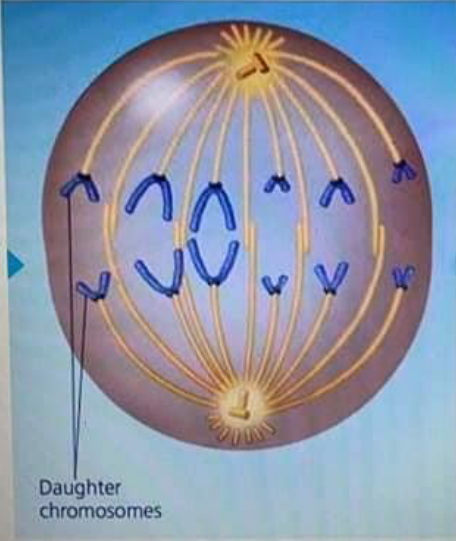
Q8



Q9

سؤال 50 / 34
 مبر هذا السؤال

?What phase of mitosis is pictured at right



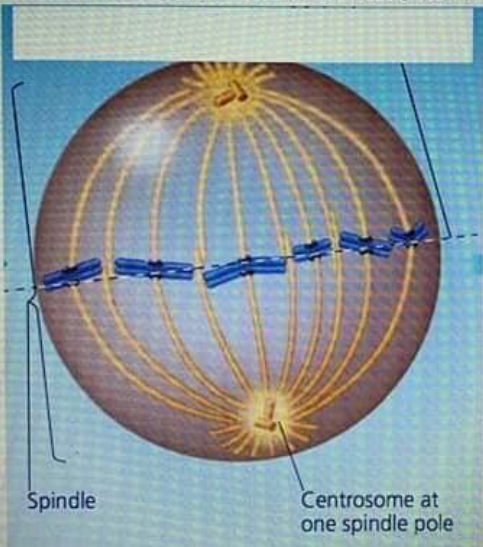
prophase .1
metaphase .2
anaphase .3
telophase .4

التالي السابق

Q10

سؤال 50 / 33
 مبر هذا السؤال

?At what part of the cell cycle would you see a chromosome that looks like this



metaphase .1
S phase .2
telophase .3
anaphase .4

التالي السابق

Q11

سؤال 50 / 35

ميز هذا السؤال

?Where do the microtubules of the spindle originate during mitosis in animal cells

- .1 centromere
- .2 centrosome
- .3 centriole
- .4 kinetochore

التالي

السابق

Q12

سؤال 50 / 35

ميز هذا السؤال

?During which stage of the cell cycle is cell growth and replication of organelles most significant

- .1 M phase
- .2 G1 phase
- .3 G2 phase
- .4 S phase

التالي

السابق

Q13

سؤال 36 / 50

ميمز هذا السؤال

.After G2 Phase of the cell cycle, each plant cell chromosome is made of pair of sister chromatids, each chromatid with a centromere

True
False

التالي السابق

إضافة ملاحظة

Q14

سؤال 37 / 50

ميمز هذا السؤال

Gametes have the _____ number of chromosomes

.1 Diploid
.2 Haploid
.3 Polyploid
.4 Nucleoid

Q15

?Which of the following is the term for a human cell that contains 22 pairs of autosomes and two X chromosomes

- .1 an unfertilized egg cell
- .2 a sperm cell
- .3 a male somatic cell
- .4 a female somatic cell

Q16

مميز هذا السؤال

Cytokinesis usually, but not always, follows mitosis. If a cell completed mitosis but not cytokinesis, the result would be a cell with

- .1 a single large nucleus
- .2 two abnormally small nuclei
- .3 two nuclei
- .4 two nuclei but with half the amount of DNA

Q17

Question 15 / 45

In the cells of some organisms, mitosis occurs without cytokinesis. This will result in

- 1. destruction of chromosomes.
- 2. cell cycles lacking an S phase.
- 3. cells lacking nuclei.
- 4. cells with more than one nucleus.

Q18

Question 14 / 45

Which of the following does not occur during mitosis?

1. condensation of the chromosomes
2. replication of the DNA
3. spindle formation
4. separation of sister chromatids

Q19

سؤال 33 / 50

مبزهذا السؤال

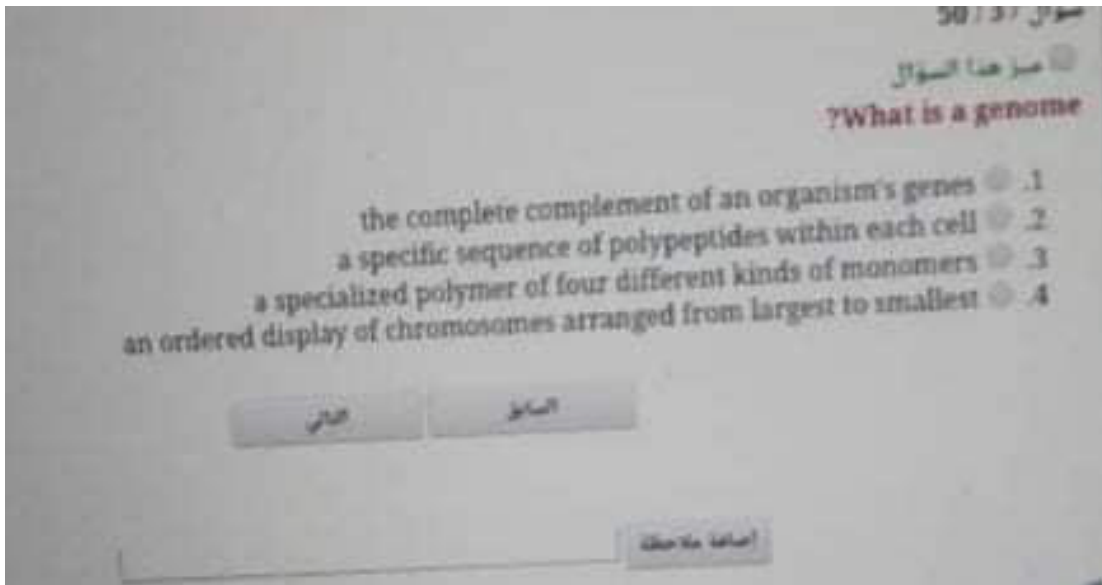
The centromere is a region in which

1. chromatids are attached much closely to one another
2. spindle microtubules are organized from
3. chromosomes are grouped during telophase
4. new spindle microtubules form

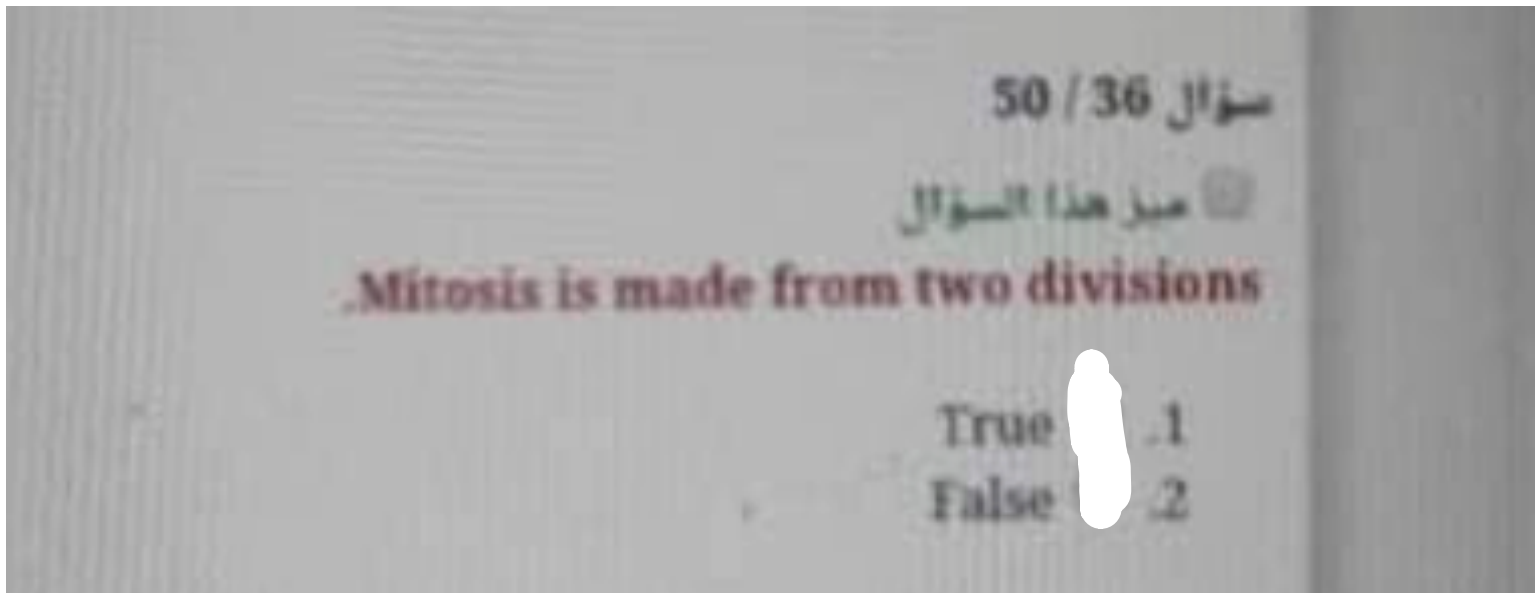
التالي

السابق

Q20



Q21



Q22

Interphase

- .1 Is the same as prophase, metaphase, anaphase and telophase
- .2 is composed of G1, S and G2 stages
- .3 is the majority of the cell cycle
- .4 two answers are correct

التالي

السابق

Answers

Q1:- 1	Q2:- 4	Q3:- T
Q4:- 1	Q5:- 5	Q6:- 4
Q7:- 1	Q8:- 4	Q9:- 3
Q10:- 1	Q11:- 2	Q12:- 2
Q13:- T	Q14:- 2	Q15:- 4
Q16:- 3	Q17:- 4	Q18:- 2
Q19:- 1	Q20:- 1	Q21:- F
Q22:- 4		

- ضاعت الأعلام واندثرت الأمنيات والصّمت
عمّ المكان

شهداء العلم والمعرفة
إلى جنّات الخلد
اللهمّ ارحم طُلاب جامعة العلوم والتكنولوجيا



#الدعاء_اليومي..

اللهم إني أستودعك أهل غزة ، اللهم كُنْ لهم عوناً ، اللهم إنا لا نملك لغزة إلا الدعاء فيارب لا ترد لنا دعاء ولا تخيب لنا رجاء وأنت أرحم الراحمين ...

اللهم احفظ فلسطين وأهلها .. اللهم كن لأهلنا هناك عوناً ومعيناً ..
وللمسجد الاقصي حافظاً واميناً .. اللهم إنا نستودعك غزة فأحفظها
بحفظك يا خير الحافظين ...