

(الإجابة في نفس كراسة الأسئلة)

(الدور الأول ٢٠٢٠)

الأحياء بالإنجليزية

(الأسئلة في ثمانى صفحات)

تنبيه هام : يسلم الطالب كراسة باللغة العربية مع الكراسة المترجمة :

Group 1 : from 1 to 9**1- Choose one of the questions (A) or (B), then mention the scientific term:**

(A) The membrane that surrounds the cytoplasm of the muscle fiber.

(B) The substance that is responsible for transferring the genetic characteristics from the parents to the offspring.

2- Choose one questions (A) or (B), then correct the underlined words:(A) The exophthalmic guitar is produced as a result of increasing the secretions of adrenal gland.(B) The auxins are excreted from the root hairs of the plant and have a role in the tropism of the stem.**3- Choose one of the questions (A) or (B), then write the name of the structure that performs the following function in the human body:**

(A) The structure that secretes an enzyme that dissolves ovum coat in humans.

(B) The structure that secretes progesterone hormone and degenerates at the end of the fourth month of pregnancy.

4- Choose the correct answer from the following:

The lymphocytes that stimulate B cells to produce antibodies are.....

a- T-helper (TH).

b- T cytotoxic (TC).

c- T suppressor (TS).

d- Natural killer(NK).

5- Give an example from what has been studied for green plants that reproduce by spores:**6- What is the name of the lymphoid gland that is located on the trachea above the heart and behind the sternum?**

(بقية الأسئلة فى الصفحة الثانية)

7-Select from the column “B” what suits each of column “A”

Column “A” Types of vertebrae	Column “B” The shape of vertebrae
1- Cervical ()	a- Small and fused together.
2- Lumber ()	b- broad - flat - fused together.
3- Sacral ()	c- medium in size.
4- Coccyx ()	d- The largest

8- Study the opposite figure, then answer the following questions:

First: What does the figure represent?

.....

Second: Write the name of the structures (1) and (2)

1- 2-

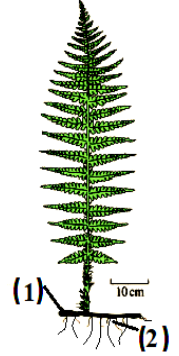
9- Mention the name of the hormone that performs the following functions: :

A- The hormone responsible for the case of myxedema in the human.

.....

B- The hormone that causes acromegaly in humans.

.....

**Group 2 : from 10 to 18****10- Choose one of the two questions (A) or (B) then put (✓) for the correct statement or (×) for the wrong one:**

(A) lymphocytes that specialize in producing antibodies to destroy microbes are T-helper cells. ()

(B) T-killer cells are formed in the bone marrow and mature in the thymus gland. ()

11- Give the scientific term for the following statement:

The fusion of one of the two male nuclei with the nucleus of the egg and the fusion of the other male nucleus with the embryo sac nuclei.

.....

12- Correct the underlined wards:

The number of vertebrae in the human vertebral column is 44 vertebrae.

.....

13- Choose the correct answer from the following:

Gastrin hormone is secreted from the

- a- mouth b- stomach c- pancreas d- small intestine

14- Choose the odd (anomaly) word from the following:

Adiantum plant – ferns – Polypodium plant – the sporophyte – the infective stage

.....

15- Choose the correct answer from the following:

The male gametes of the flowering plants are

- a- egg cells b- pollen grains c- stables d- petals

16- Choose one of the two questions (A) or (B), then mention the type of sexual reproduction of the following organisms:

(A) Spirogyra algae.

.....

(B) Plasmodium of malaria.

.....

17- Mention two examples of:

Non-protein amino acids in plants.

First:

Second:

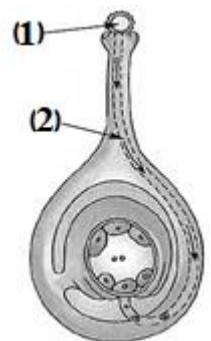
18- Check the opposite figure and answer the following questions:

First: The opposite figure represents a process

Second: Write the labels:

1-

2-



(بقية الأسئلة في الصفحة الرابعة)

Group 3 : from 19 to 27**19- Choose one of the questions (A) or (B), then mention the scientific term:**

(A) The body's ability to resist diseases.

.....

(B) The plant got rid of the pathogen by killing the infected tissue to prevent the microbe from spreading to its healthy tissues.

.....

20- Choose one of the questions (A) or (B), then choose the odd word in the following words:

(A) Simple guitar – cretinism – myxedema – bone fragile.

.....

(B) Sepals – petals – androecium – archegonia.

.....

21- Choose one of the questions (A) or (B), then Put (✓) or sign (×) in front of the phrase:

(A) Structural immunity of the plant before infection differs from that after the infection with pathogens. ()

(B) Pulling roots pull bulbs and corms to a suitable level below the soil surface. ()

22- Choose the statements of column (B) that suit the phrases of column (A):

Column (A)	Column (B)
1- Chemokines ()	a- they act as a mediate communication between different cells of the systems immune.
2- Interleukins ()	b- they are factors attracting macrophages immune cells moving in blood. c- they are produced by the infected tissue with viruses.

23- Write the name of the following structure:

A process directed downwards and carried on the spinal ring of the vertebra.

.....

24- Correct the underlined words:

Removing the ovaries from a pregnant woman before the seventh month leads to miscarriage.

(بقية الأسئلة في الصفحة الخامسة)

25- Mention the difference in the number of bones between:

Hand wrist and ankle wrist.

The difference	Hand wrist	Ankle wrist
Number of bones

26- Mention one example of each of the following:**First:** Lymphocytes.**Second:** Toxic chemical compounds secreted by some plants to kill pathogens such as bacteria.**27- Determine the type of asexual reproduction of the following organisms:****First:** Planaria worm.**Second:** Paramecium**Group 4 : from 28 to 36****28- Choose one of the questions (A) or (B), then choose the odd word in the following words:****(A)** Bacterial transformation - Bacteriophage - tissue culture - the amount of DNA in cells.**(B)** B cells - mast cells – monocyte cells – blood platelets.**29- Correct the Underlined wards:****Glucagon** hormone increases the level of sodium in the blood.**30- Choose the odd word in the following words:**

parthenogenesis - budding - binary fission:- sporogony - conjugation.

(بقية الأسئلة في الصفحة السادسة)

Group 5 : from 37 to 45

37- Choose one of the two questions (A) or (B), then correct the underlined words:

(A) In the life cycle of malaria plasmodium in humans, the phase that infect red blood cells is zygote.

(B) The method that prevents pregnancy and allows fertilization to occur in the fallopian tube is surgical sterilization.

38- Choose the correct answer from the following:

One of the examples of the induced structural defences in plants that are formed as a response to microbial infection

a- deposition of gum

b- cell wall

c- production of phenols

d- production of glycosides

39- Correct the underlined words:

The means that pull corms and bulbs to a suitable level from the soil surface is the tendrils.

40- Give an example of the following:

An insect that can produce its males from eggs that are not always fertilized.

41- Choose the correct answer from the following:

The immune response with inflammation is the..... line of defense.

a- First

b- Second

c- Third

d- Fourth

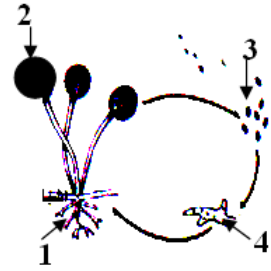
42- Name the hormone that is secreted from the pituitary gland and causes acromegaly in adults.

(بقية الأسئلة فى الصفحة الثامنة)

43- Study the opposite figure then answer one question (A) or (B):

(A) What does the figure represent?

(B) Write the labels 1-
2-
3-
4-



44- Match the statements of column (B) that suits to the statements of column (A):

Column (A)	Column (B)
1- B cells ()	a- regulating the degree of immune response and inhibiting the action of B cells and T cells after eliminating the pathogen
2- T helper cells TH ()	b- phagocytic cells present in the various tissues of the body
3- T cytotoxic cells TC ()	c- cells that formed and mature in the bone marrow and produce antibodies.
4- T suppressor cells TS ()	d- cells stimulate B cells to produce antibodies
	e- attacks carcinogenic cells, transplanted organs and the body cells infected with virus.

45- Write in the following table the chromosomal number (N- 2N - 3N) for the following structures :

The cell	The antipodal	The synergid	The endospermic	The bract.
The chromosomal number

(انتهت الأسئلة)