

نام درس: متون زیست شناسی

تعداد سؤال: ۳۰ نمره: ۳۰ تکمیلی — تشریحی ۵

رشته تحصیلی: گرایش: زیست شناسی (علوم گیاهی)

زمان امتحان: تستی و تکمیلی ۴۵ دقیقه تشریحی ۴۰ دقیقه

کد درس: ۱۱۱۲۱۲۰

تعداد کل صفحات: ۴

Choose the correct answer.

پاسخ درست را انتخاب نمایید.

1-What term is used for the region of the stem where one or more leaves are attached?

- a. bloom                      b. bud                      c. node                      d. seale

2- The organ which serves anchor the plant is..... .

- a. shoot                      b. root                      c. leaf                      d. stem

3- The plant leaf consists..... the blade and the petiole.

- a. from                      b. on                      c. up                      d. of

4- sepals and petals are collectively called the..... .

- A. perianth                      b. tepal                      c. pedicel                      d. receptacle

5- What is the study of fungi ealled?

- a. phycolog                      b. pathology                      c. mycology                      d. cytology

6- There is one type of gall ..... the leaves of the willow.

- a. in                      b. up                      c. on                      d. at

7- The tea palnt is a ..... which grows to a height of 90-120 cm.

- a. Vine                      b. Shrub                      c. tree                      d. herb

8- What does probably the word cocoa mean?

- A . cola drink                      b. Maya drink                      c. Indian drink                      d. bitter drink

9- The stimulating action of coffee is due to ..... called caffeine.

- a. an alkaloid                      b. a glycoside                      c. anoil                      d. a tannin

10- The light reactions take place within the chloroplast..... the chlorophyll is located.

- a. that                      b. there                      c. which                      d. where

11- A very familiar type of saprophytic fungus is the group collectively called..... .

- a. mildews                      b . mosses                      c. mushrooms                      d. moulds

12- The stroma makes ..... reactions possible because of the presence of..... within it.

- A . light – enzymes                      b. dark – enzymes  
c. light-pigments                      d. dark- pigments

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13- Which of the following plants cannot make their own food?

- a. mucors                      b. willows                      c. oaks                      d. lilacs

14- The heads of the family compositae.....

- a. is variously arrange                      b. are variously arrange  
c. is variously arranged                      d. are variously arranged

15- In compositae the head is surrounded by an involucre of .....

- a. papus                      b. scales                      c. capitula.                      d. phyllaries

16- The common sunflower is a..... plant.

- a. cultivated                      b. tropical                      c. woody                      d. wild

17- Which term does mean the place or kind of places in which an organism is found?

- a. ecosystem                      b. habit                      c. habitat                      d. nich

18- Any part of a plant used for tissue culturing is called .....

- a. plantlet                      b. explant                      c. germplasm                      d. vector

19- Viruses ..... used for gene transferring.

- a. have                      b. have been                      c. could                      d. are able to

20- In microprojectile bombardment technique..... cells may be transformed with one shot.

- a. several                      b. one                      c. two                      d. a few

21- The gene transfer methods in plants are ..... those used with animals.

- a. similar to                      b. different from                      c. easier than                      d. difficult than

22- What term is used for the group of spermatophytes whose seeds are borne within a matured ovary?

- a. vascular plants                      b. angiosperms                      c. phanerogams                      d. gymnosperms

23- The carboniferous is often called the “age of.....” .

- a . seed ferns                      b. woody plants  
c. herbaceous plants                      d. bryophytes

24- What is the English equivalent of the latin word “alga”?

- a. simple                      b. herb                      c. sea-weed                      d. grass

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کے درس: ۱۱۱۲۱۲۰

تعداد سوال: ۳۰ نسنی تکمیلی — تشریحی ۵

زمان امتحان: تستی و تکمیلی ۴۵ دقیقه تشریحی ۴۰ دقیقه

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- 25- What were absent in rhynia?
- a. rhizoids                                      b. terminal sporangia  
c. branches                                     d. leaves
- 26- One of the long –range consequence of the Cenozoic revolution was.....abundance of the woody seed plants.
- a. an increase                                  b. a decrease  
c. an increased                                d. a decreased
- 27-..... occurs when a charge of electricity build up in a cloud until it is so great that the cloud cannot hole it.
- A. spark                              b. flashing                              c. lightning                              d. lighting
- 28- Which of the following factors are usually not limiting for land plants?
- a. water supply                      b. nutrients                              c. minerals                              d. atmospheric gases
- 29- The succession in areas that have not previously been occupied by plants is termed.
- a. pioneer succession                              b. climax  
c. dominant succession                              d. primary succession
- 30- Association of fungi and algae in lichens is an example of.....
- a. amensalism                      b. mutualism                              c. commensalism                              d. competition

### سؤالات تشریحی:

1 – Translate the following passage from English into Persian.

۱- متن زیر را از انگلیسی به فارسی ترجمه کنید.

Seeds are enclosed within a fruit which develops from the ovary wall. The function of the fruit is to disperse the seed away from the parent plant. Seeds typically remain dormant for some time after fruit ripening.

Environmental conditions involved in the breaking of dormancy include an initial drying , exposure to cold , or disruption of the seed coat .

2-Which of the following statements are true (T) and which ones are false (F)?

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۲- کدامیک از جملات زیر درست (T) و کدامیک نادرست (F) است ؟

A- In the seed of the bitter almond there is a glycoside called amygdalin.

B – Green tea is made from young leaves that have been fermented, and black tea is not fermented leaves.

C. photo respiration occurrence in c4 plants is more common than in c3 plants

D-An aseptic environment is essential in all steps of in vitro culture.

3- Fill in the blanks in the following text by using one of the words from the list below. Use each word only once.

۳- در متن زیر جاهای خالی را با استفاده از کلمات داده شده پر کنید. از هر کلمه فقط یکبار استفاده کنید.

Profession, ecosystem, gradients, Moisture, Habitat, functional

The term ...1... is widely used and simply means the place where an organism lives. The ecological niche is a more inclusive term that includes not only the physical space occupied by an organism, but its.....2..... role as a member of the community, that is, its trophic position and its position in the ...3.... of temperature,...4.... , pH and other conditions of the environment.

4- What term is used for each of the following definitions?

۴- هریک از تعاریف زیر با چه واژه ای بیان می شود؟ (یک واژه برای هر تعریف)

A- Any part or print of an ancient animal or plant of past geological ages that has been preserved in the earth's crust.

B- The use of living organisms, often but not always microbes, in industrial processes.

C- The appearance of a plant, e.g. herb, shrub, tree.

D- pertaining to an organism that is able to manufacture its own food.

5- Use each of the following words in a sentence.

۵- هریک از کلمات زیر را در یک جمله به کار ببرید.

A-photosynthesis

B-botany