

تعداد سؤالات: تستی: ۳۰ تشریحی: ۵  
 زمان آزمون: تستی: ۵۰ تشریحی: ۳۰ دقیقه  
 آزمون نمره منفی دارد ○ ندارد ⊗

نام درس: متون زیست شناسی - زبان تخصصی  
 رشته تحصیلی و کد درس: زیست گیاهی - علوم گیاهی  
 ۱۱۱۲۱۲۰ - ۱۱۱۲۱۶۳  
 کد سری سؤال: یک (۱)

استفاده از: — مجاز است.

امام علی (ع): برتری مردم به یکدیگر، به دانش‌ها و خردهاست؛ نه به ثروت‌ها و تبارها.

1-What is an embryonic shoot called?

- a.shoot                                      b. stem                                      c. shrub                                      d. bud

2-Plants ... as annuals, biennials, or perennials.

- a.is classify                                      b. are classified  
 c. was classified                                      d. were classified

3-Perennial plants are ...woody (trees, shrubs, or vines) or herbaceous.

- a. either                                      b. neither                                      c. nor                                      d. not

4-Which of the following fields are merely botanical?

- a.genetics                                      b. ecology                                      c. agronomy.                                      d. cytology

5-There is a glycoside called amygdalin .... the seeds of the bitter almond.

- a. to                                      b. in                                      c. by                                      d. for

6-Green tea is made from young leaves that have not been fermented, and black tea is fermented leaves. What is the black tea made from?

- a. old leaves                                      b. two end leaves  
 c. fermented leaves                                      d. green leaves

7-The tea plant is a shrub which grow ... a height of 90-150 cm.

- a. to                                      b.with                                      c. on                                      d. from

8-What is the meaning of “berry” in the Persian?

- a. شفت                                      b. دانه                                      c. میوه                                      d. سته

9-Which of the following words is a pigment that absorbs light energy and transfers energy to chlorophyll a ?

- a.Photophosphorylation                                      b. absorption spectrum  
 c. chloroplast                                      d. accessory pigment

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

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

11-Green plants ... in order to survive.

- a. eat animals                                      b. eat other plants  
 c. make their own food                                      d. make their bodies

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- 12-There is only one chloroplast per cell in some ... algae.  
 a.single-celled                      b.single-cell                      c. single-cells                      d.singled-cells
- 13-Which of the following words is a dry fruit with one seed and is the product of one carpel?  
 a.pappus                      b. samar                      c. legume                      d. achene
- 14-The heads of the family *Compositae* .....  
 a. is variously arrange                      b. are variously arranged  
 c. is variously arranged                      d. are variously arrange
- 15-The common sunflower is a ..... plant.  
 a. woody                      b. cultivated                      c. wild                      d. tree
- 16-What is the basic inflorescence of Graminae?  
 a. spikelet                      b. corymbe                      c. raceme                      d. head
- 17-What is the synonymous of the word capitulum ?  
 a.flowering                      b. involucre                      c. head                      d. floret
- 18-What is “the use of experimental techniques to produce DNA molecules containing new genes or new combinations of genes called” ?  
 a.Agrobacterium tumefaciens                      b. biotechnology  
 c. electroporation                      d. genetic engineering
- 19-The gene transfer methods in plants are ... from those used with animals because of the presence of the cell wall.  
 a. different                      b. not different                      c. more easy                      d. alike
- 20-Plants and seeds carry a wide range of microbial contaminants like ... and fungi.  
 a. insects                      b. bactertia                      c. animals                      d. algae
- 21-One reason for the production of transgenic plants is to increase the rate of ....  
 a. transformation                      b. photosynthesis  
 c. respiration                      d. transpiration
- 22-Which of the following words does mean “a group of vascular plants whose seeds are borne naked on a sporophyll and not in an ovary”?  
 a.gymnosperms                      b. angiosperms  
 c. tracheophytes                      d. seed plant



دانشگاه پیام نور  
مرکز آزمون

استان:

کارشناسی (استی) - (جبرانی ارشد) - (مشروطین فراگیر ارشد)

نیمسال اول ۸۹-۸۸

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مجاز است.

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23-What is the English equivalent of the Latin word “nucleous”?

a.seed

b.center

c.zygote

d.kernel

24-Heterospory was exhibited also ... many Devonian sphenopsids.

a. with

b.to

c. by

d. on

25-The study of past life of plants by means of fossils is called....

a.paleontology

b. paleozoology

c.paleobotany

d. paleoalgology

26-Which of the following words is related to soil conditions that influence plant growth?

a.biotic

b. edaphic

c. ecosystem

d.environment

27-The plants growth and distribution are ... by many ecological factors.

a. effect

b. effected

c. affect

d.affected

28-Studies of the interrelationships of plants with their physical and biotic environments is termed plant ....

a.ecology

b. physiology

c.biology

d.history

29-The producer organisms are the green plants that ... organic compounds from simple inorganic substances by photosynthesis.

a. are manufactured

b. are manufacturing

c. manufacture

d. manufactures

30-The English word aquatic is related to...

a.soil

b. air

c. life

d. water

سوالات تشریحی: جوابها را در پاسخنامه بنویسید.

۱- کدام گزینه درست (T) و کدام گزینه غلط (F) است؟ (۱ نمره)

1. Which of the following statements are true (T) and which are false (F)?

a. The flower is a highly modified leaf of determinate growth and supported by a short stem, the petal. [...]

b. A gall is a certain form of disease, and is usually caused by a parasite insect, worm or fungus. [...]

c. Photosynthesis occurs in the chloroplasts. [...]

d. All extinct plants are similar to the plants of today. [...]

e. The abundance of plants in a habitat is largely due to the supply of water. [...]

2. Use the following words and phrases in original sentences. The sentences must be grammatically correct and related to the plant sciences.

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۲. کلمات زیر را در جملات ابداعی بکار ببرید. جملات بایستی به لحاظ دستوری درست بوده و در رابطه با علوم گیاهی باشند. (۱/۵ نمره)

- a.petal
- b.C4 plants
- c.tissue culture

3. Define the following biological terms in English.

۳. اصطلاحات زیر را به انگلیسی تعریف کنید. (۱/۵ نمره)

- a.seed
- b.epipetalous
- c.explant

4. Write the English equivalent of the following Persian words:

۴. معادل انگلیسی کلمات فارسی زیر را بنویسید: (۱ نمره)

- a. میانگره
- b. زنجیره غذایی
- c. کاسه گل
- d. علف کش
- e. گیاهان خشکی پسند

5. Translate the following paragraph from English into Persian.

۵- پاراگراف زیر را از انگلیسی به فارسی ترجمه کنید. (۱/۵ نمره)

Plants annual or perennial. Ligule membranous. Leaf blades linear. Inflorescence a spike. Spikelets with 1 to many florets, solitary or in groups of 2-3, usually hermaphroditic. Glumes strongly veined, keeled or rounded on back, 5- to many-veined. Palea 2-keeled. Lodicules 2, entire or  $\pm$  toothed, ciliate. Stamens 3. Ovary hairy at apex. Styles 2. Hilum linear, as long as caryopsis. Starch grains simple. Chromosomes large; basic number  $x=7$ .