

نام درس: زبان تخصصی

رشته تحصیلی: گرایش: بخش مهندسی کشاورزی

کد درس: ۱۲۲۵۰۰۹

تعداد سؤال: نسی ۳۰ تکمیلی -- تشریحی ۵

زمان امتحان: تستی و تکمیلی ۴۵ دقیقه تشریحی ۴۵ دقیقه

تعداد کل صفحات: ۳

A. Please choose the correct answer in the following 30 questions.

1. In the compositae family, the head is surrounded by an involucre of:
 - a. papus
 - b. scales
 - c. capitula
 - d. phyllaries
2. Corolla in tubular flowers is composed..... 5 united tepals.
 - a. to
 - b. as
 - c. of
 - d. as
3. Which of the following genera does not belong to *compositae* family.
 - a. *Taraxcum*
 - b. *Papaver*
 - c. *Achillea*
 - d. *Centaurea*
4. What is the type of inflorescence in *Graminae* family.
 - a. corymb
 - b. head
 - c. raceme
 - d. spike
5. Any part.....a plant used for tissue culturing is called explant.
 - a. of
 - b. by
 - c. to
 - d. into
6. Viruses.....used for gene transfer.
 - a. has also been
 - b. have also been
 - c. also has been
 - d. also have
7. The transfer of foreign.....into plants is called plant genetic transformation.
 - a. chromosome
 - b. genes
 - c. traits
 - d. enzyme
8. One reason for the production of transgenic plants is to increase the rate of.....
 - a. transformation
 - b. photosynthesis
 - c. transpiration
 - d. respiration
9. Tissue culture is used for plant.....
 - a. Pathogeny
 - b. differentiation
 - c. nutrition
 - d. growth
10. Where is occupied by gene.
 - a. Locus
 - b. Enzyme
 - c. Locas
 - d. Ligaz
11. What is called the outer surface of each cell ?
 - a. centriole
 - b. membrane
 - c. golgi
 - d. Lysozome
12. The regenerated plantlets through embryogenesis can be.....adapted to the green house.
 - a. suddenly
 - b. freely
 - c. gradually
 - d. abruptly

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13. Probably, the ancestors of land vascular plants were.....
- a. *fucus* b. fungi c. mosses d. algae
14. What is the study of past life by means of fossils called.
- a. Paleobotany b. Paleontology c. Mycology d. palynology
15. How many chromosomes are presented in each daughter nucleus in mitosis compare to the parent.
- a. the half b. the same c. the double d. the fourth
16. What is the structural unit of a living organism.
- a. the cell b. the atom c. the uncles d. the gene
17. What is the usual and normal number of nuclei per cell.
- a. 1 b. 2 c. 3 d. 4
18. The plants distributed.....the earth's surface are from variety types.
- a. at b. over c. on d. above
19. Which word indicates the amount of free space in the soil.
- a. slope b. gravity c. humidity d. porosity
20. Fossil records show that.....groups of species have lived together for millions of years.
- a. like b. much c. many d. two
21. Association of fungi and algae in.....is an example of symbiosis.
- a. Mycorrhiza b. Lichens c. mosses d. protozoa
22. The end of succession is known as a.....
- a. climax b. community c. population d. niche
23. The succession in areas that have not previously been occupied by plants is termed
- a. pioneer succession b. secondary succession
- c. Primary succession d. tertiary succession
24. The.....that eat the plant eaters are considered as secondary consumers.
- a. algae b. phytoplanktons c. herbivores d. carnivores

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25. Which of the following is an organelle for protein secretion.
 a. Golgi b. Mithecondia c. Centromere d. Vacuole
26. The plant leaf consiststhe blade and petiole.
 a. from b. with c. of d. to
27. The plant stem is marked..... The presence of nodes and internode.
 a. with b. to c. from d. by
28. What is called the study of development and structure of mostly of seed plants.
 a. plant anatomy b. plant morphology c. Ecology d. phycology
29. The organ which take part in photosynthesis and respiration.
 a. leaf b. root c. flower d. stem
30. The CO_2 by the plant leaf to make photosynthesis.
 a. is capture b. is captured c. is capturing d. capture

B: Please answer the following questions in a simple sentence or sentences.

1. Explain the ecosystem?
2. What does mean biotechnology?
3. What is the highest evolved family among flowering plants?
4. What is the four major type of parts of typical flower?
5. What is the meaning of term Angiosperms?