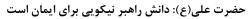
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کارشناسی





تعداد سوالات: تستى: ٣٠ تشريحى: ٠ سرى سوال: يك ١ زمان آزمون (دقيقه): تستى: ۶۰ تشريحي: ۰ **ــوان درس:** (متون زيست شناسي (علوم گياهي رشته تحصیلی/کد درس: زیست شناسی گرایش علوم گیاهی-۱۱۱۲۱۲ 1-Look at the following definitions and choose the correct term given. A plant in which its the entire life cycle is completed in a single growing season. 3. Biennial 2. Herbaceous 1. Perennials 2-The living material of the cell 2. Protoplasm 3. Organelle 1. Cell wall 4. DNA 3-A graph relating the degree of physiological response caused by different wavelengths of light 2. Action spectrum 1. Absorption spectrum 3. Linearly 4. Sigmoid 4-The common sunflower is a plant. 3. wild 2. woodv 4. tropical 1. cultivated 5-- Of flowers in which the ovary is within the receptacle and the other floral parts attached above it. **1.** Epipetalous 2. Epigynous 3. Hypogynous 4. Perigynous 6-A group of fine hairs on a small dry fruit, which helps in dispersal by wind. 2. Style 3. Pappus 1. Peduncle 4. Ovary 7-A DNA molecule, capable of replication in a host organism, into which a gene is inserted to construct a recombinant DNA molecule. 3. Explant 4. Protoplast 2. Inplant 1. Vector 8-The introduction of any DNA molecules into any living cell. 1. Transformation 2. In vitro 3. Recombinant DNA 4. Cell culture 9-A group of vascular plants whose seeds are borne naked on a sporophyll and not in an ovary. 2. Algae 3. Angiosperms 4. Monera 1. Gymnosperm 10-The gradual development of organisms from simpler ancestral types over the course of geological time. 2. Revolution 3. Fossil 1. Growth 4. Evolution 11-All the population within a given habitat. Usually the populations are though of as being interdependent. 1. Community 2. Family 3. Group 4. Tribe

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کارشناسی

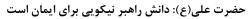




تعداد سوالات: تستى: ٣٠ تشريحى: ٠ سری سوال: یک ۱ زمان آزمون (دقیقه): تستی: ۶۰ تشریحی: ۰ **ـوان درس:** (متون زیست شناسی (علوم گیاهی رشته تحصیلی/کد درس: زیست شناسی گرایش علوم گیاهی۱۱۱۲۱۲۰ 12-The study of plants life in relation to environment. 2. Plant systematic 3. Plant evolution 4. Plant ecology **1.** Plant physiology 13-Pertaining to soil conditions that influence plant growth. 3. Ecosystem 2. Clay loam 4. Edaphic 1. Trophic 14-The functional position of an organism in its ecosystem. 2. Duty 3. Niche 4. Work **1.** Role 15-The last stages of a natural succession. 2. Niche 1. Climax community 4. Kingdom 3. Population 16-Choose the best choice which completes the following sentences. The plant stem is marked the presence of nodes and internodes. 3. by 4. to **1.** from 2. with 17-The shoot functions primarilysupport, conduction, and food manufacture. 2. as 3. into 4. for 18-There is a one type of gall ... the leaves of the willow. 2. on 3. near 4. at 19-The light reactions take place within the chloroplast, the chlorophyll is located. 2. which 3. whose 1. where 20-The dark reactions take place within the 1. cytoplasm 2. mitochondria 3. stroma 4. lysosome 21-Compositae have an involucrate head 1 to many flowers a common receptacle. 1. which, on ^{2.} by, in 3. with, to 4. by. on 22-Synthetic seed be developed by entrapment of the somatic embryos in calcium alginate beads. 2. have to 3. has to **1**. can 4. might 23-Lycopsids and sphenoipsids vast forests, and ferns too, attained the stature of trees. 1. produced 2. is produced 3. are produced 4. produces

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کار شناسی





تعداد سوالات: تستى: ٣٠ تشريحى: ٠ **سرى سوال:** يک ۱ زمان آزمون (دقیقه): تستی: ۶۰ تشریحی: ۰ **ـوان درس:** (متون زیست شناسی (علوم گیاهی رشته تحصیلی/کد درس: زیست شناسی گرایش علوم گیاهی۱۱۱۲۱۲۰ 24-One of the long-range consequences of the Cenozoic revolution was a abundance of the woody seed plants. 2. increased 3. decreases 4. decreased 1. increases 25-Climatical measurements must be taken at a standard height ground in a climatic station. 2. over 3. on 1. at 4. above 26-The plant distributed the earth's surface are from variety types. 4. up 2. above 3. near 1. over 27-Which of the following factors are usually not limiting for land plants? 1. water supply 2. nutrients 3. minerals 4. atmospheric gases 28-Which word indicates the amount of free space in the soil? 2. topsoil 3. humidity 4. porosity 1. slope 29-Probably, the ancestors of land vascular plants were..... 1. Fucus 3. mosses 2. fungi 4. algae 30-In Rhynia were absent. 1. leaves 2. branches 3. rhizoids 4. terminal sporangia