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حضرت على (ع): دانش راهبر نيكويي براي ايمان است تعداد سوالات: تستى: ٣٠ تشريحى: ٠ سری سوال: یک ۱ زمان آزمون (دقیقه): تستی: ۵۰ تشریحی: ۰ **ـوان درس:** متون زيست شناسي رشته تحصیلی/کد درس: زیست شناسی گرایش عمومی ۱۱۱۲۰۲۵ 1-which cells has several nuclei per cell? 2. skeletal muscles cell 1. Mammalian red blood cell 3. phloem sieve tube cell 4. plant cell 2-Artificial apparatus for biological reactions, is called? 1. In vivo 2. natural 3. in vitro 4. internal medium 3-Which responsible for the colors of flower and fruits? 1. Chloroplast 2. mitochondria 3. ribosome 4. chromoplasts 4-Means of Cessation flow of energy and matter is? 1. live 2. alive 3. death 4. blooming 5-which is the fertilized ovum before cleavage? 2. ovum 3. precursor cell 4. gamete 1. zygote 6-hydras and yeasts reproduce by which method? 1. meiosis 2. mitosis 3. splitting 4. budding 7-Which gonad in animals produces ovum? 1. Testis 2. ovary 4. spore 3. choanocyte 8-Which of the following statements is true? 1. In asexual reproduction known as fission, the cell division is meiosis. 2. In mammals there is only asexual reproduction. 3. In paramecia meiosis precedes fertilization. 4. Old age is an important factor for killing by predators. 9-An acrosome on the tip of the sperms head to liberate enzyme for lyze jelly coats around eggs. 2. passes into 3. operate 4. ruptures **1.** Penetrate 10-Which is the subdivision of genus in plant and animal kingdom? 1. Phylum 2. species 3. genus 4. kingdom

11- What named a group of individuals, unicellular or multicellular, living together in close

association?

1. Species 2. tribal life

3. colony

4. parasite

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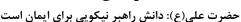
حضرت علی(ع): دانش راهبر نیکویی برای ایمان است



تعداد سوالات: تستى: ٣٠ تشريحى: ٠ سرى سوال: يك ١ زمان آزمون (دقيقه): تستى: ۵۰ تشريحي: ٠ **ــوان درس:** متون زیست شناسی رشته تحصیلی/کد درس: زیست شناسی گرایش عمومی ۱۱۱۲۰۲۵ 12-Which class of phylum protozoa characterized by possessing small bristle-like cytoplasmic projection on free surface of the cell? 2. rhizopoda 3. ciliate 4. sporozoa 1. Flagellate 13-Contractile vacuoledischarges its contents to the exterior. 1. Except 2. abruptly 3. seldom 4. precisely 14-The name rhizopoda signifying root like feetby the extension of the body by which a rhizopod moves. 1. is justified ^{2.} justifying 4. have been justified 3. to justify 15-Surface: volume ratio of any solid body of constant shapeas the size decreases. 3. enlarges 2. doubles 4. increases 1. Decreases 16-A distinguishing quality or characteristic. 2. inheritance 3. trait 4. taint 1. Gene 17-Which character normally masks or inhibits the expression of another character? 1. Recessive 2. dominant 3. genotype 4. phenotype 18-Eachparticle becomes attached to the coat of a bacterium by means of its rigid tail. 3. parasit 1. Infected 2. bacteriophage 4. virus 19-mantel's second law is the law of independent 1. Segregated 2. constructed 3. separated 4. assortment 20-The chromosomes become visible shortly before a cell to divide. 2. will ready **1.** Have been ready 4. ready 3. is ready 21-Each cell in the body of every human being has 46 chromosomes. 3. approximately **1.** Comparatively 2. nearly 4. exactly 22-Which is the colorless matrix of a chloroplast? 1. Stroma 2. photosynthetic membranes 3. lamellar system 4. cytochrome 23-The ATP and NADPH needed tothe dark reactions arefrom the light reactions. 2. drive – derived 3. derive - drived 4. drived – derive **1.** Derived - drive

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تعداد سوالات: تستى: ٣٠ تشريحى: ٠ **سرى سوال:** يک ۱ زمان آزمون (دقيقه): تستى: ٥٠ تشريحي: ٠ رشته تحصیلی/کد درس: زیست شناسی گرایش عمومی ۱۱۱۲۰۲۵ 24-Chlorophyll is a porphyrin withatoms in the center. 4. hydrogen **1.** Iron 2. magnesium 3. oxvgen 25-The synthesis of organic material by the plant had not yet been in the eighteenth century. **1.** Established 2. establishing 3. establish 4. establishes 26-Electron microscopy hasthe presence of quantosomes, in the lamellae. 1. Revealed 2. lying 4. serve 3. stabilizing 27-Pertaining to life and living organisms. 1. Salinity 2. arctic 3. biotic 4. photoperiod 28-Nectar is sweet substance secreted by special 2. glands 1. Gonads 3. grain 4. enzyme 29-the organism's address is and organism's profession is..... 1. niche- habitat 2. habitat- ecosystem 4. niche-ecology 3. habitat - niche 30-the English equivalent of the greek root of bios in the word biomass is? 1. Dried 2. inner bark 3. funnel 4. life