



سری سوال : یک ۱

زمان آزمون (دقیقه): تستی : ۴۰ تشریحی : ۰

تعداد سوالات : تستی : ۳۰ تشریحی : ۰

درس : متون زیست شناسی

رشته تحصیلی / کد درس : زیست شناسی (عمومی) ۱۱۱۲۰۲۵

1- Each cell is surrounded by a.....

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|--------------|--------------------|
| 1. nucleus | 2. plasma membrane |
| 3. cytoplasm | 4. cytosol |

2- What cell in plants loses its nucleus in the process of maturation?

- | | |
|---------------------------|-------------------------|
| 1. Phloem sieve tube cell | 2. Algae and fungi cell |
| 3. Red blood cell | 4. Skeletal muscle cell |

3- What is the name of regions included of endoplasmic and ectoplasmic together ?

- | | | | |
|-------------|-----------|-----------|--------------|
| 1. Apoplasm | 2. Stroma | 3. Matrix | 4. Cytoplasm |
|-------------|-----------|-----------|--------------|

4- Plant cells have made of cellulose provides support for the plant body.

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|--------------------|----------------|
| 1. plasma membrane | 2. ribosome |
| 3. cell wall | 4. chloroplast |

5- Who was the first person to observe the cell by a lens in 1665?

- | | | | |
|---------|-----------|-----------|-----------|
| 1. Hook | 2. Darwin | 3. Mendel | 4. Watson |
|---------|-----------|-----------|-----------|

6- The members of a freely interbreed and produce fertile offspring.

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|----------|----------|------------|----------|
| 1. class | 2. order | 3. species | 4. genus |
|----------|----------|------------|----------|

7- What is the name of fertilized ovum before cleavage?

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|-----------|----------|--------|-----------|
| 1. gamete | 2. Sperm | 3. Egg | 4. Zygote |
|-----------|----------|--------|-----------|

8- A gamete is.....

- | | |
|---------------|---------------------------|
| 1. haploid | 2. diploid |
| 3. fertilized | 4. not a mature germ cell |

9- Which organisms have simple systems for the release of eggs and sperm into the sea?

- | | |
|------------------------------|-------------------------|
| 1. Sea stars and sea urchins | 2. Whale and sea stars |
| 3. Whale and sea urchins | 4. Tapeworms and flukes |

10- The flowers are

- | | | | |
|--------------------|--------------------|--------------------|------------------|
| 1. modified leaves | 2. modified petals | 3. modified sepals | 4. modified root |
|--------------------|--------------------|--------------------|------------------|

11- Spermatozoa are remarkably alike in the animal kingdom, except for

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|-----------------------------|--------------|
| 1. arthropods | 2. nematodes |
| 3. arthropods and nematodes | 4. mammals |



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12-What is the name of respiratory organ of water-breathing animals?

1. Nose 2. Lung 3. gill 4. Wing

13-..... is consisting of many cells?

1. Single-celled 2. Multicellular 3. Monocellular 4. Unicellular

14-What is the name of a class in phylum protozoa having root-like feet for locomotion?

1. Flagellata 2. Rhizopoda 3. Ciliata 4. Sporozoa

15-Which one have relatively simply systems for the release of swimming sperm to near by egg-bearing archegonia?

1. ginkgo 2. Rose 3. Sunflower 4. Ferns

16-The organism that causes malaria in a human being is a..... .

1. Virus 2. Bacterium 3. fungus 4. protozoan

17-Which one have false feet?

1. Amoeba 2. Bacteria 3. Viruses 4. Tapeworms

18-It is believed that the first animals started their lives in.... .

1. Desert 2. Mountain 3. Sky 4. Water

19-The protozoa reproduce....

1. sexually 2. fusion
3. division 4. sexually and asexually

20-Which one is a bridge between the plant and animal kingdoms?

1. Flagellata 2. Rhizopoda 3. Ciliata 4. Sporozoa

21-What is the name of basic unit of inheritance?

1. gene 2. Chromosome 3. Trait 4. RNA

22-It is only at the time of cell division that can be easily seen.

1. chromosomes 2. lysosomes 3. ribosomes 4. nuclei

23-Which one is in the ferredoxin structure?

1. Fe 2. Al 3. Mg 4. Mn

24-Which one is in the chlorophyll structure?

1. Mn 2. Cu 3. Fe 4. Mg



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25-The enzymes of dark reactions are located in the

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|-----------|--------------|-------|-----------|
| 1. Matrix | 2. Cytoplasm | 3. ER | 4. Stroma |
|-----------|--------------|-------|-----------|

26-What is not the result of light reactions in photosynthesis?

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|--------|----------|-------------------|------------|
| 1. ATP | 2. NADPH | 3. O ₂ | 4. glucose |
|--------|----------|-------------------|------------|

27-A photon increases the energy of an electron, moving it from.....

- | | |
|--------------------------------------|----------------------------------|
| 1. an outer orbital to inner | 2. an inner orbital to outer |
| 3. a high energy level to low energy | 4. a high energy level to higher |

28-The energy transmitted by waves through space or some medium is..... .

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|-------------------|--------------------|--------|----------------|
| 1. radiant energy | 2. chemical energy | 3. ATP | 4. respiration |
|-------------------|--------------------|--------|----------------|

29-What is the name of sweet substance secreted by special glands in flowers and in certain leaves?

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|----------|-----------|--------|------------|
| 1. Candy | 2. Nectar | 3. gum | 4. glucose |
|----------|-----------|--------|------------|

30-NaCl in the soil is a

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|------------------|--------------------------------------|
| 1. biotic factor | 2. abiotic factor |
| 3. living factor | 4. good factor for glycophyte plants |