



سری سوال: یک ۱

زمان آزمون (دقیقه): تستی: ۱۲۰ تشریحی: ۰

تعداد سوالات: تستی: ۳۰ تشریحی: ۰

عنوان درس: زبان تخصصی، زبان تخصصی ۱، متون خارجی تخصصی

رشته تحصیلی/گد درس: ( تربیت بدنی و علوم ورزشی ۱۲۱۵۸ - ، تربیت بدنی و علوم ورزشی (خواهران)، تربیت بدنی و علوم ورزشی (برادران) تربیت بدنی و علوم ورزشی (ناپیوسته) ۱۲۱۵۱۷۶ - ، فیزیولوژی ورزشی-فیزیولوژی ورزشی کاربرد، فیزیولوژی ، - ۱۲۱۵۰۵۲ ورزشی-فیزیولوژی فعالیت بدنی و تندرستی ۱۲۱۵۳۲۶ - ، رفتار حرکتی-رشد حرکتی ۱۲۱۵۳۵۵

### TEXT 1

Specificity of form occurs in the cell as well as the whole organism. Every cell arises from a pre-existing cell. By processes of cell division and heredity that are themselves universal, new molecules are synthesized in the production of two cells from one, and these molecules come together in various assemblies that duplicate cellular structures such as chromosomes, membranes, and mitochondria. In this way, daughter cells reproduce the form of the parent cell. This process, called differentiation, occurs when a single fertilized cell, the zygote, eventually gives rises to muscle cells, nerve cells, bone. The zygote is usually of microscopic size. It divides to form daughter cells, which divide again and again. From this sequence, there emerge in a precisely controlled manner all of the cells, tissues and organs of the adult animal or plan, and only rarely is the process flawed.

The building of an organism, like that of a house, requires more than materials. A plan or program is needed to guide the building. In the case of an organism the plan is a detailed program in the genes within the zygote`s chromosomes. In spite of great advances in genetics and embryology, we still do not understand in detail why the dividing cells of a developing embryo become as different from one another as the cells of bone, muscle, blood, and nerve; or why a human zygote develops only into a human and a frog zygote only into a frog, despite their superficial similarity in appearances.

Complexity, Multi cellular organisms, in which many cell cooperate, may have begun to evolve when two or more identical cells simply remained joined together following cell division, thereby improving their efficiency in carrying out some vital function. Then some cells in these primitive organisms started to differentiate, taking up specialized tasks.

1-A(n) ..... is a single fertilized cell of microscopic sized.

1. organelle                      2. zygote                      3. chromosome                      4. mitochondrion

2-An embryo may be defined as the young of a ..... in its first state before birth or before coming out of an egg.

1. creature                      2. creative                      3. creatively                      4. create



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ورزشی-فیزیولوژی فعالیت بدنی و تندرستی ۱۲۱۵۳۲۶ - ، رفتار حرکتی-رشد حرکتی ۱۲۱۵۳۵۵

3- Which statement is TRUE about the process of differentiation?

1. Daughter cells progressively come to differ from the parent cell
2. Daughter cells are responsible for making the parent cell
3. The parent cell reproduces the form of the daughter cells
4. Both daughter cells and parent cells have the same function

4- A complaint can be a bodily ..... or disease.

1. density
2. coordination
3. impulse
4. disorder

5- The endocrine system and the nervous system exemplify .....

1. the immune mechanisms
2. degrees of structural and organizational complexity
3. the extraordinary complexity of living organisms
4. a myriad of cells

6- ..... of form occurs in the cell as well as the whole organism and every cell arises from a preexisting cell.

1. tolerance
2. specificity
3. depletion
4. performance

7- A ..... passes on and controls the nature, character, etc. of a young plant, animal or cell.

1. membrane
2. chromosome
3. nucleus
4. organelle

8- The human ..... passes through a number of stages before life.

1. combination
2. biology
3. embryo
4. evolution

9- A copy or reproduction of the living creatures is referred to .....

1. replica
2. ambulation
3. circulation
4. tolerance

10- In colleges physical education programs for regular students are even more .....

1. Individualized
2. Individual
3. Individually
4. Individualize

11- He has injured the ..... in his knee.

1. Apply
2. Cartilage
3. Article
4. Carrier

12- Swimming is good for developing the leg ---.

1. Javelin
2. Join
3. Inorganic
4. Muscles



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13-Everyone needs time for rest and ----.

1. To relaxing                      2. To Relaxed                      3. Relaxed                      4. Relaxation

14-He used an ---- to examine the retina of his eye.

1. Ophthalmoscope                      2. Otoscope  
3. Stethoscope                      4. Osculation

15-He has recently been ..... with cancer.

1. Diagnosed                      2. Diagnosis                      3. Diagonal                      4. Diagnoses

16-An --- of the rectum may detect problems before symptoms develop.

1. Examination                      2. Examine                      3. Examinable                      4. Examining

17-If you have bad -----, your body cold easily.

1. Circular                      2. Circulation                      3. Circulatory                      4. Circulate

18-Physical therapy is one of the ----- professions.

1. Rehabilitate                      2. Rehabilitation                      3. Rehabilitative                      4. Rehabilitates

19-Glycogen is the principle ---- storage in animals.

1. Carbohydrate                      2. Fat                      3. Polysaccharide                      4. Vegetarian

20-The food that you eat and drink regularly is -----.

1. Diet                      2. Fat                      3. Fatigue                      4. Nutrition

21-Albert's ..... of noise is limited.

1. Tolerance                      2. Expenditure                      3. Depletion                      4. Fatigue

22-His moving ---- in the film won him an Oscar

1. Perform                      2. Performing                      3. Performance                      4. Performed

23-An embryo may be defined as the young of a ----- in its first state before birth or before coming out of an egg.

1. Create                      2. Creature                      3. Creative                      4. Creatively

24-In spite of great advances in ----- and embryology we still do not understand it in detail.

1. Genetics                      2. Generate                      3. Gen                      4. Organelle

