



REPUBLIC OF BENIN

UNIVERSITY OF ABOMEY-CALAVI

FACULTY OF SCIENCE AND TECHNOLOGY

DEPARTEMENT OF CHEMISTRY, BIOLOGY AND GEOLOGY (CBG2)

EXAMINATION ON SCIENTIFIC ENGLISH

SECTION : 2019-2020

Duration : 1H30min

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**Section 1** : Read the text and answer the question that follows

**Text : Levels of Organization of Life**

There are four levels of organization of life in organisms. These are the cells, tissues, organs and systems. The simplest of all these levels is the cell.

The cell is defined as the smallest unit of living organism. It is the first level of organization of life. All plants and animals are made of only one cell hence they are called **unicellular organisms** while others are made up of many cells and are therefore called **multicellular organisms**. Examples of unicellular organisms are Amoeba, Euglena, Paramecium, Plasmodium, Trypanosome, Chlamydomonas. These organisms have only one cell each and are capable of carrying out all life processes such as movement, respiration, reproduction etc.

Examples of cells in higher plants are phloem cells, xylem vessels etc while examples of cells in higher animals include rod cone cells in the eyes, ova or eggs, spermatozoa, nerve cells, red blood cells, white blood cells, epidermal cells, nerve cells etc.

**Questions**

1. How many levels of organization of life? Mention them.
2. All plants and animals are made up of one cell called?
3. Mention six organisms that has unicellular cell.



**Sections 2 :**

**Provide the missing information on the table.**

<b>Plants</b>	<b>Animals</b>
<ul style="list-style-type: none"> <li>• Most green plants carry out photosynthesis (autotrophic nutrition) but non-green plants cannot, i.e., they are heterotrophic.</li> </ul>	
	Growth is definite and intercalary i.e., occurs uniformly in the body
<ul style="list-style-type: none"> <li>• Plants are not active and have no organ of movement</li> </ul>	
	Animals have fast response to external stimuli.
<ul style="list-style-type: none"> <li>• They possess no special excretory systems</li> </ul>	
	They possess specialized sense organs.
<ul style="list-style-type: none"> <li>• Food is stored mainly as starch except in fungi.</li> </ul>	
	Animals have fixed number of parts when are usually compact.
<ul style="list-style-type: none"> <li>• Gaseous exchange is through the entire body</li> </ul>	
	Cell has thin, flexible living cell membrane.
<ul style="list-style-type: none"> <li>• Plant cells have large vacuoles containing cell sap.</li> </ul>	

**Section 3 :**

**Choose the appropriate option from the list below to fill in the gaps:**

1. ....Segun and Daniel are intelligent. (neither/both/all)
2. No sooner had I gone.....he started shouting (when/than/since)
3. ....you or I am wrong (both/either/neither)
4. Neither they.....she is right (or/nor/but)
5. We.....draw but also paint (cannot/cannot only/both)
6. ....Ibadan nor Lagos is comfortable to live in (either/both/neither)
7. Either Jos.....Kuru has the the coldest weather in Nigeria (or/nor/but)
8. Both Muslims..... Christians have religious dogmas (or/and/with)
9. Hardly had he spoken..... the lights off (before/when/than)
10. No sooner had he spoken.....the lights went (before/when/than).