

بسم الله الرحمن الرحيم

جامعة وادي النيل . كلية التربية

قسم اللغة الانجليزية وآدابها

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رمز واسم المقرر: (0233) E Basic English & Study Skills (3)for Biology المستوى الثاني الزمن : 3 ساعات

Answer all the questions :-

Question One :-

Read to answer the questions:

The knowledge of science has been developed a lot now a days rather than in the past. The reason for that, there are many scholars to do researches in the different fields of knowledge of science. There are two main branches of science, physical science and biological science. Physical science is called the science of non-living things while the living beings are included in biology. The term Biology comes from two Greek words (bio means life and logos means knowledge). Aristotle is regarded as the father of Biology. We find two types of life in nature one is plant while the other is animal. Accordingly, Biology has been divided into two branches, Botany and Zoology. Botany deals with the characteristics of plants, but Zoology deals with the animals. Theophrastus (370-285 B . C) regarded as the father of Botany and he wrote a book " On the History of plants". Aristotle made lots of researches on animals and he wrote a book named it " Historia animlium". There are many principal branches of Biology such as Morphology which deals with the external and internal structures of organism. Cytology deals with the structure and function of cell, but Histology deals with the tissues.

Answer the following questions:

1- What has been developed now a days?

What is the reason of the development in the knowledge of science?

Where does the term Biology come from?

2- What researches did Aristotle make about?

3- What does Cytology deal with?

Make (T) for True or (F) False sentences:

- 1- Living beings are included in Biology. ()
- 2- Bio means life. ()
- 3- The science of Non-livings is called Taxonomy. ()
- 4- There are many principal branches of Biology. ()
- 5- The underlined word it refers to animals. ()

Put a circle round the letter of the best answer:

- 1- The main branches of sciences are:
(a) Physical (b) Botany (c) Biological (d) a and c
- 2- Zoology concerns with :
(a) animals (b) plants (c) tissues (d) cells
- 3- " On the History of plants " a book about -----
(a) Theophrastus (b) Botany (c) Aristotle (d) organism
- 4- The study of internal and external structures of organism is :
(a) zoology (b) Morphology (c) Histology (d) Botany
- 5- The father of Biology is :
(a) Theophrastus (b) Aristotle (c) William (d) Carolus

Question Two:

Put the verbs in their correct forms:

- 1- There ----- (be) three types of blood vessels. Blood ----- (be) always contained in tubes. It ----- (flow) through them. The blood ----- (carry) materials to the rest of the body.
- 2- The heart ----- (have) four chambers. They ----- (receive) and ----- (pump) blood to and from the body.
- 3- Arteries ----- (not / contain) valves. They ----- (carry) blood away from the heart. They ----- (be) thick.

Question Three:

Fill in the gaps with one word from the list:

Pulmonary - hemoglobin - plasma - physiology - Al Nafis

Platelets - macrophages - Albumins - arterioles - Veins

- 1- ----- described the system of blood circulation in human body.
- 2- The liquid part of the blood is called -----.
- 3- ----- is a protein found in the blood which is made of iron.
- 4- ----- includes all the activities of living things.
- 5- The flowing of blood between the heart and the lungs is called -----.
- 6- ----- large cells used for cleaning blood.
- 7- ----- return blood to the heart.
- 8- The function of ----- is to help in blood clotting process.
- 9- ----- keeps water from leaving the blood.
- 10- ----- are very small arteries.

Question Four:

Draw a circle round the letter of the best answer:

- 1- The circulatory system in human is -----
(a) opened (b) wide (c) closed (d) easy
- 2- Contain layers of connective and smooth muscles tissues. They are -----
(a) veins (b) capillaries (c) arteries (d) platelets
- 3- Fight foreign invaders and infections. They are -----
(a) WBC'S (b) RBC'S (c) globulins (d) veins
- 4- Blood vessels are -----
(a) arteries (b) veins (c) capillaries (d) all the answers
- 5- Allows materials and gas exchange between the body cells and the blood.
They are—
(a) veins (b) capillaries (c) arteries (d) No answer is correct
- 6- Ibne Sina wrote Al Kanun on -----
(a) Plants (b) medicine (c) Zoology (d) Astronomy

Question Five:

Match (A) with (B) in (C). Put the Letter only:

(A)	(B)	The answer (C)
1- Ecology	a- Three proteins	1-
2- Logos	b- Small veins	2-
3- Capillaries	c- Carries oxygen	3-
4- RBC'S	d- Effects of environment	4-
5- Blood	e- Knowledge	5-
6- WBC'S	f- Microscopic vessels	6-
7- Plasma	g- Bone marrow	7-
8- Venules	h- Regulate temperature	8-
9- hemoglobin	i- have nucleus	9-

Question Six:

Mark (✓) or (✗) on the following:

- 1- Blood is a fluid found in the circulatory system of human. ()
- 2- Hemoglobin transports carbon dioxide only from the cells. ()
- 3- Systemic circulatory is between the heart and the lungs. ()
- 4- Lymphocytes produce antibodies in the blood. ()
- 5- Platelets are small pieces of cells found in the blood. ()

All the best