



Faculty of Medicine
First Year

Time: One Hour

English Language
Date: 7/6/2018

I- Write a short composition on ONE only of the following topics: (15 marks)

- A- Healthy Food.
- B- Vitamins.

II-Read the following passage, then answer the questions below: (15 marks)

- A. antibodies
- B. characterized
- C. leading
- D. life-threatening
- E. named
- F. refer
- G. response
- H. stem
- I. suffer
- J. which

An allergy can B (1) to several kinds of immune reactions including Type I hypersensitivity in (2) the person's body is hypersensitized and develops immunoglobulin E (IgE), a certain class of A (3) to typical proteins. When a person is hypersensitized, these substances are known as allergens. The word allergy derives from the Greek words allos meaning "other" and ergon meaning "work". Type I hypersensitivity is C (4) by excessive activation of mast cells and basophils by immunoglobulin E, resulting in a systemic inflammatory response that can result in symptoms as benign as a runny nose, to D (5) anaphylactic shock and death.

Allergy is a very common disorder and more than 50 million Americans I (6) from allergic diseases. Allergies are the sixth F (7) cause of chronic disease in the United States, costing the health care system \$18 billion annually.

The term and concept of "allergy" was coined by a Viennese pediatrician named Clemens von Pirquet in 1906. He observed that the symptoms of some of his patients might have been a refer (9) to outside allergens such as dust, pollen, or certain foods. For a long time all hypersensitivities were thought to (10) from the improper action of inflammatory immunoglobulin class IgE, however it soon became clear that several different mechanisms utilizing different effector molecules were responsible for the myriad of disorders previously classified as "allergies". A new four-class (now five) classification scheme was designed by H. Gell and A. Coombs. Allergy has since been kept as the name for Type I Hypersensitivity, characterised by classical IgE mediation of effects.

III- Grammar: choose the appropriate word between brackets: (10 marks)

- A- There's somebody (at - on - in - to) the bus stop.
- B- I bought a bar of chocolate (but - so - because) I haven't eaten it yet.
- C- I (have - am having - had) a strange dream last night
- D- I'm hungry. There isn't (much - little - a little - few) food in the fridge.
- E- He didn't do very (bad - well - good) in his exams.

IV-Translate the following into Arabic: (10 marks)

Hormones are messenger substances synthesized in the body and secreted by the endocrine glands. Hormones regulate the digestive system, growth, hunger, thirst, blood glucose and cholesterol levels, fat burning and storage, absorption and excretion, internal clocks such as day and night cycles, menstrual cycles, and sex drive.

GOOD LUCK

Dr. I.A. Ahmed



Answer the following questions:-

Q1- Mark the following sentences with (✓) or (X) sign: -

(10 marks)

- ✓ 1- Touch screen is an input/output device. ()
- ✓ 2- A DVD can contain a larger amount of data than a CD. ()
- ✓ 3- The third generation computers began to use microprocessors. ()
- ✓ 4- The CPU speed is measured in megahertz (MHz) or gigahertz (GHz). ()
- ✓ 5- One byte can hold 256 different bit values. ()
- X 6- LAN network holds for cities. ()
- ✓ 7- The information processing cycle consists of input, processing and output activities only. ()
- ✓ 8- The CU (control unit) is the brain and heart of a computer. ()
- ✓ 9- The computer Virus has the ability to hide by linking to other programs. ()
- X 10- When the CPU needs data, it looks first in RAM (random access memory). ()

Q2- Complete the following sentences: -

(10 marks)

- 1- A good examples of Microcomputers are personal and laptop.
- 2- The second generation of computers uses the assembly languages.
- 3- The decimal equivalent of the binary number $(10011011)_2$ is 10011011.
- 4- The octal equivalent of the decimal number $(385)_{10}$ is 101110.
- 5- The result of the following addition $(10111110)_2 + (10011101)_2$ is 10011101.
- 6- The Internet stands for international networks.
- 7- The Cache memory is microphone.
- 8- Multimedia output devices include microphone and microphone.

101110
10011101
11110

Q3- Write on each of the following: -

(10 marks)

- A- What is BIOS (Basic Input/Output System) and its main functions?
input output system
- B- Distinguish between the different types of LAN (Local Area Network) topological strategies?

With my best wishes for success ***** Dr. Omar Reyad