**НАЦІОНАЛЬНИЙ АВІАЦІЙНИЙ УНІВЕРСИТЕТ**

**НАВЧАЛЬНО-НАУКОВИЙ ГУМАНІТАРНИЙ ІНСТИТУТ**

**КАФЕДРА ІНОЗЕМНИХ МОВ І ПРИКЛАДНОЇ ЛІНГВІСТИКИ**

**ПАКЕТ КОМПЛЕКСНИХ КОНТРОЛЬНИХ РОБІТ**

з дисципліни «Іноземна мова»

**Галузь знань:** 15 «Автоматизація та приладобудування»

Спеціальність 153 «Мікро- та наносистемна техніка»

Спеціалізація: «Фізична та біомедична електроніка»

**Галузь знань:** 17 «Електроніка і телекомунікація»

Спеціальність: 171 «Електроніка»

Спеціалізація: «Електронні системи»

«Електронні прилади та пристрої»

Укладач:

викладач Зелінська Н.С.

Пакет ККР розглянуто

та схвалено на засіданні

кафедри авіаційної англійської мови

Протокол № \_\_\_ від «\_\_\_»\_\_\_\_\_\_ 2016 р.

Завідувач кафедри

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Н.В.Пазюра

**National Aviation University**

Scientific and research institute of air navigation

Department Aviation English

Field of Study: 17 "Electronics and Telecommunications"

Speciality: 171 "Electronics"

Specializations: "Electronic Systems"

"Electronic devices and equipment"

Subject «Professional English»

**COMPLEX TEST**

**Variant 1**

**WHAT IS A COMPUTER?**

Computer is a device that transforms data into meaningful information. Data can be anything like marks obtained by you in various subjects. It can also be name, age, sex, weight, height, etc. of all the students in a class.

Computer can also be defined in terms of functions it can perform. A computer can accept data, store data, process data as desired, and retrieve the stored data as and when required and print the result in desired format.

The major characteristics of a computer are high speed, accuracy, diligence, versatility and storage.

The computer performs basically five major operations of functions irrespective of their size and make. These are 1) it accepts data or instruction by way of input, 2) it stores data, 3) it can process data as required by the user, 4) it gives results in the form of output, and 5) it controls all operations inside a computer. We discuss below each of these operations.

1. Input: this is the process of entering data and programs into the computer system.

2. Control Unit (CU): It decides when to start receiving data, when to stop it, where to store data, etc. It takes care of step -by-step processing of all operations inside the computer.

3. Memory Unit: Computer is used to store data and instructions.

4. Arithmetic Logic Unit (ALU): The major operations performed by the ALU are addition, subtraction, multiplication, division, logic and comparison.

5. Output: This is the process of producing results from the data for getting useful information.

The ALU and the CU of a computer system are jointly known as the central processing unit (CPU). You may call CPU as the brain of any computer system.

**1. Read the text and answer the following questions:**

1. What are the five basic operations performed by the computer?

2. Define ALU, CU and CPU.

3. Choose the correct answer. The task of performing arithmetic and logical operations is called: (1) ALU (2) editing (3) storage (4) output.

**2. Find in the text other ways of saying these words and expressions:**

apparatus/ facts/ information/ to manage/ expression/ role/ to take/ acceleration/ computer memory/ fundamentally.

**3. Write an essay "Computers in my life" (approximately 15 sentences).**