

Test 2**I. What professions use CAD and what for? Write professions next to the right description.(5 points)**

| | | |
|----|---|--|
| 1. | designing and testing how the air will flow over the component, determining how the object will react to different variables as ice, snow, strong wind etc. | |
| 2. | designing components and units which are present in every electronical device | |
| 3. | testing strength of materials before they are used in constructions | |
| 4. | design and develop life-saving and health-improving devices | |
| 5. | test how all products look, feel, interact | |

II. Put the following words in the right sequence to make sentences CAD/CAM systems, then write A(for advantage) or D (for disadvantage). (10 points)

1. percent /productivity /software/ increases/ by /CAM/ as much as/ 50 /initially.

2. of /Work/ be/ because/ can /the/ breakdown/ of/ sudden/ lost/ computers.

3. erasing /can /without/ be/ Designs/ altered.

4. possible /Computer/ are/ errors.

5. elements/ be/ Certain/ to/ facilitate/ can/ inspection/ magnified.

III. Match words from A and B into pairs to form collocations. Translate into Polish in C. (20p)

| A | B | C |
|-------------------|-------------------|---|
| 1. 3D __ | A. aided | |
| 2. geometrical __ | B. to | |
| 3. computer-__ | C. testing | |
| 4. time-__ | D. representation | |

| | | |
|---------------|----------------|--|
| 5. refer __ | E. parameters | |
| 6. real-__ | F. saving | |
| 7. derived __ | G. pattern | |
| 8. rapid __ | H. changing | |
| 9. thought __ | I. world (adj) | |
| 10. game __ | J. from | |

IV. Decide whether the following sentences are T/true or F/false. (15p)

1. The negative copy where black lines turn white and blank space turns blue is called a blue print. __
2. Industrial revolution started in the same year in which a blue print was discovered. __
3. Alan Turing was an American astronomer. __
4. The term CAD was invented by Patrick Hanratty. __
5. In 1971 General Motors introduced the microprocessor to the world. __
6. ADAM is the CAD software known as automated drafting and machinery introduced by Patrick Hanratty. __
7. Much of the gasoline in the US contains around 40% of ethanol. __
8. It is impossible to make biofuel from corn. __
9. Biodiesel is derived from vegetable oil, animal fat and cooking grease. __
10. Dual clutch gearbox technology dates back to the Porsche Racing team in the late 1880s. __
11. Drum brakes are more powerful, generate less heat and are much easier to manage than disc brakes __
12. Porsche cars have the ignition key to the left of the steering wheel. __
13. If you have off-road or all-terrain tires on your car they have a little number of grooves and the grooves are typically shallow which allows maintain contact with the road. __
14. Barry Trimmer model a robot of an octopus. __
15. Kevlar is the new robotic fabric created by Kramer which moves in response to electrical current __

V. Translate into Polish or English (10p)

| | | | |
|-------------|-------------------|----------|----------------------|
| | krok milowy | | tempomat |
| cornerstone | | chassis | |
| | paliwo kopalniane | | spalanie (w silniku) |
| | surowiec | elongate | |
| blended | | tentacle | |

VI. Match words to their definitions. (10 points)

| | | | |
|----|------|----|--|
| 1. | coin | a. | the physical and electronic parts of a computer, rather than the instructions it follows |
|----|------|----|--|

| | | | |
|-----|----------------|----|--|
| 2. | indispensable | b. | equipment attached to the wheels of a vehicle that reduces uncomfortable effects of going over road surfaces that are not even |
| 3. | hurdle | c. | to invent a new word or expression, or to use one in a particular way for the first time |
| 4. | hardware | d. | move or go with a smooth up-and-down motion |
| 5. | mandate | e. | large in amount, size, force, etc.; heavy; weighty |
| 6. | suspension | f. | too important not to have; necessary |
| 7. | simultaneously | g. | stiff or unyielding; not pliant or flexible |
| 8. | undulate | h. | happening or being done at exactly the same time |
| 9. | rigid | i. | a problem that you have to deal with before you can make progress |
| 10. | hefty | j. | To order someone to do something |

1 _____, 2 _____, 3 _____, 4 _____, 5 _____, 6 _____, 7 _____, 8 _____, 9 _____, 10 _____