CAD/CAM, presentations

Test 2

13I1/I2/I3
B2 pt.12.45
Total: /70

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	

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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. ___ ADAM is the CAD software known as automated drafting and machinery introduced by Patrick Hanratty. ___
6. EMC1 is a low-speed and precise wrapping machine for chocolate products in bunch. ___
7. In the production process of chocolate, it is vibrated to remove fat. ___
8. A cryptocurrency is an untradable digital asset or digital form of money, built on blockchain technology that only exists online. ___
9. The disadvantages of cryptocurrencies include their price volatility, high energy consumption for mining activities, and use in criminal activities. ___
10. Each blockchain typically contains a hash pointer as a link to transaction data. ___
11. Fused Deposition Modeling is the most common 3D printing method. ___
12. In total, there are only four methods of 3D printing. ___
13. The major limitation of the additive manufacturing is that the cutting tool must be able to reach all surfaces to remove material which limits design complexity quite a lot. ___
14. Formative techniques are designed to reduce the marginal cost of producing individual parts. ___

V. Translate into Polish or English (10p)

	krok milowy	ledger	
cornerstone		barter	
	stągki kakao		dysza
	młynek do przypraw	puddle	
counterfeit		mould	

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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.	expression, personification, or exemplification in concrete form
3.	repurpose	c.	to invent a new word or expression, or to use one in a particular way for the first time
4.	hardware	d.	having a natural inclination or tendency to something
5.	embodiment	e.	to become liquid under the action of heat
6.	from scratch	f.	too important not to have; necessary
7.	extrude	g.	adopt for use in a different purpose
8.	dimension	h.	force or press out
9.	fuse	i.	measurement in length, width, and thickness.
10.	prone	j.	from the very beginning, from the outset; from nothin

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

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