(Lg for presentations, Technology under skin, Technical drawing, Units of measurement, presentations: 3D printing,3D modeling)	**Test 1(9)** Winter 2022/23		13I7/I6/I4 pn. 9.15-10.45 Total: /65

I. Match the phrases to the right sections. Write letters of sections next to the phrases 10p

1. If I can just sum up the main points ___ **2.** Briefly, I have three things to say. ___ **3.** For instance ___ **4.** If you would like me to elaborate on any point, please feel free to ask ___ **5.** I'd like to expand on.. ___ **6.** There are a number of points I'd like to make ___ **7.** In conclusion ___ **8.** Now, we'll move on to... ___ **9.** To illustrate this point.. ___ **10.** I'm happy to answer any queries ___	**A.** Overview. **B.** Starting a new section. **C.** Giving examples. **D.** Summarising. **E.** Invitation to discuss.

II. Complete the sentences with appropriate words. To help you some letters have been given. (10p)

1. Do you _ _ B _ _ _ E new technologies or do you tend to _ H _ _ them?
2. _ NN _ _ _ _ _ N is new idea or method that is being tried for the first time, or the use of such ideas or methods.
3. Mobile phones seem to have become _ _ D _ S _ E _ _ _ _ E
4. A _ _ _ P _ _ _ R _ _ _ _ is simply interested in and knowledgeable about computers.
5. Some people enthuse about latest technological developments. They can be described as T _ _ _ N _ _ _ _ _ _ _
6. People who tend to dislike technology find it hard to G_ _ their H _ _ _ _ _ R _ _ _ _ even such a simple concept as mobile banking.
7. Technical drawing is also known as _ _ _ _ _ ING and is the act and discipline of composing plans .
8. People who communicate with technical drawings use a V _ _ _ _ L language and T _ _ _ _ _ _ _ L standards that define practical symbols, perspectives and units of measurement.

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

A	B	C
1. fit __	A. square	
2. technological __	B. native	
3. T- __	C. in	
4. computer- __	D. view	
5. digital __	E. code	
6. pass __	F. pen	
7. cross-__	G. breakthrough	
8. metric __	H. section	
9. exploded __	I. literate	
10. technical __	J. system	

IV. Decide whether the following sentences are T/true or F/false. (10p)

(technical drawing, measurements)

1. In engineering, most drawings consist of a set of several designs. ___
2. Technical drawing is needed to make a scale of a product. ____
3. The final drawing is made using a technical pencil, graded according to hardness. ___
4. The visual image of a component should be accurate in terms of dimensions and proportions, and should provide an overall impression of what an object is or does. ___
5. General arrangement drawing shows one or more smaller components in detail. ___
6. Centuries ago the systems of measurement differed from one city to the next. ___
7. The basic unit multiplied by a thousand is milli, whereas divided by a thousand is kilo. ___

8. The system of measurement used in British industry is the metric system. ___
9. Paper for technical drawing is chosen according to the drafter's preference. ____
10. Protractor is an instrument used for drawing circles or measuring distances on maps ____

V. Complete the statements below with the right word or phrase. 15

1. 3D printing is a method of creating a three-dimensional objects with material being added together _____ using a computer created design.
2. The other name for 3D printing is _____
3. The two main types of 3D printing are _____ (write full names)
4. The two most popular CAD softwares in 3D printing industry are _____
5. A component in a printer that assembles and holds the characters and from which the images of the characters are transferred to the printing medium is called _____
6. The process of developing a mathematical coordinate-based representation of any surface of an object in three dimensions via specialized software is called _____
7. 3D models represent a physical body using a collection of _____ in 3D space, connected by various geometric entities such as triangles, lines, curved surfaces, etc
8. A 3-D digital model of something in which only lines are shown and where they join is called _____
9. An approach for modeling objects by representing or approximating their surfaces using polygon meshes is called _____
10. In mathematics, a flat or level surface that continues in all directions is called _____
11. The study of how to produce machines that have some of the qualities that the human mind has, such as the ability to understand language, recognize pictures, solve problems and learn is called _____
12. The number of things or people that a container or space can hold is called _____
13. A set of rules that must be followed solving a particular problem is called _____
14. The rate at which a worker , a company or a country produces goods , and the about produced , compared with how much time, work and money is needed to produce them is _____
15. To develop gradually , especially from a simple to more complicated form _____