

(Lg for presentations, Technology under skin, Technical drawing, Units of measurement, presentations: 3D printing, 3D modeling)	Test 1(9) Winter 2022/23	1317/I6/I4 pn. 11.00-12.30 Total: /60
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I. Match the phrases to the right sections. Write letters of sections next to the phrases 10p

- If I can just sum up the main points ____ - Briefly, I have three things to say. ____ - For instance ____ - If you would like me to elaborate on any point, please feel free to ask ____ - I'd like to expand on.. ____ - There are a number of points I'd like to make ____ - In conclusion ____ - Now, we'll move on to... ____ - To illustrate this point.. ____ - I'm happy to answer any queries ____	- Overview. - Starting a new section. - Giving examples. - Summarising. - Invitation to discuss.
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II. Complete the sentences with appropriate words. To help you some letters have been given. (10p)

- Do you __ B __ E new technologies or do you tend to _ H _ them?
- _ NN _ _ _ _ _ N is new idea or method that is being tried for the first time, or the use of such ideas or methods.
- Mobile phones seem to have become __ D _ S _ E _ _ _ _ E
- A _ _ _ P _ _ R _ _ _ _ is simply interested in and knowledgeable about computers.
- Some people enthuse about latest technological developments. They can be described as T _ _ _ N _ _ _ _ _
- People who tend to dislike technology find it hard to G _ _ their H _ _ _ _ _ R _ _ _ _ even such a simple concept as mobile banking.
- Technical drawing is also known as _ _ _ _ _ ING and is the act and discipline of composing plans .
- 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 _____