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| Reported speech, security technology, fingerprint scanners, design | <b>Test 2 (8)</b><br>summer term 2021/2022 | <b>12I1/I2/I3</b><br><b>12W1</b> |
|  |  | Total: /50                       |

**I. Change the direct speech into reported speech. Choose the past simple of 'ask', 'say' or 'tell'. It's the same day, so you don't need to change the time expressions. (10p)**

1. "They had never been to Scotland until last year"

She (say) \_\_\_\_\_

2. "Make sure you arrive early!"

She (tell) \_\_\_\_\_

3. "I should have studied harder for the exam"

She (say) \_\_\_\_\_

4. "Remember to study hard!"

She (tell) \_\_\_\_\_

5. "Where do you want to eat tonight?"

She (ask) \_\_\_\_\_

6. "I usually drink coffee in the mornings"

She (say) \_\_\_\_\_

7. "Do you like studying English?"

She (ask) \_\_\_\_\_

8. "I'll come and help you on Saturday"

She (say) \_\_\_\_\_

9. "Please buy some bread on your way home"

She (ask) \_\_\_\_\_

10. "Please give this to John"

She (ask) \_\_\_\_\_

**II. Choose the correct option. (4p)**

1 The new \_\_\_\_\_ fingerprint scanners take a photo of the finger.

a) capacitive   b) visible   c) optical   d) identical

2 Voice \_\_\_\_\_ software has a lot of applications.

a) recognising   b) recognition   c) reflecting   d) reflection

3 There was a serious security \_\_\_\_\_ at the airport last week when a man with a knife in his sock managed to board a plane.

a) detection b) procedure c) incident d) checkpoint

4 The airport security official \_\_\_\_\_ it wouldn't happen again.

a) told b) promised c) informed d) ordered

**III. Complete the paragraph with a word from the box. Write appropriate letters in the blanks. (6p)**

A)voltage B)capacitance C)conductor D)battery E)circuit F)sensor

When the switch connects up the charge (1)\_\_\_\_\_, the (2)\_\_\_\_\_ charges up the capacitor. The (3)\_\_\_\_\_ is the amount of charge which can be held by the capacitor. Below each ridge and valley of the fingerprint, there is a single (4)\_\_\_\_\_ which has a pair of (5)\_\_\_\_\_ plates. The processor reads the (6)\_\_\_\_\_ output of all the cells in the scanner and builds up a picture.

**IV. Complete each sentence using two different nouns both related to the verb in brackets. (10p)**

For example: You should connect an \_\_\_\_\_ *amplifier* \_\_\_\_\_ to your MP3 player. This will give the music the \_\_\_\_\_ *amplification* \_\_\_\_\_ which you need. (*amplify*)

1. The antenna is a 1)\_\_\_\_\_ , which is used for the 2)\_\_\_\_\_ of signals to the satellite. (*transmit*)
2. This hand-held metal 3)\_\_\_\_\_ is used for the 4)\_\_\_\_\_ of dangerous items such as guns or knives. (*detect*)
3. This country is a major 5)\_\_\_\_\_ for the world's refineries. Oil 6)\_\_\_\_\_ makes up about 40% of its industry. (*produce*)
4. If you want us to increase our level of electricity 7)\_\_\_\_\_ , you'll have to allow us to build a larger 8)\_\_\_\_\_. (*generate*)
5. One way to increase crop yields would be to install a huge 9)\_\_\_\_\_ in space. The 10)\_\_\_\_\_ of the sun's rays to the dark side of the Earth would almost double the growth of agricultural crops. (*reflect*)

**V. Complete the sentence with a word formed from the word in capitals at the end.(6p)**

18 Can you see the \_\_\_\_\_ building on the plan? CIRCLE

19 The \_\_\_\_\_ of the bike is a very important feature. STABLE

20 The \_\_\_\_\_ on this bike is better than on the others. SUSPEND

21 The building has a \_\_\_\_\_ shape. CONE

22 The \_\_\_\_\_ design is quite unusual for this product. RECTANGLE

23 You need to look at the \_\_\_\_\_ to see what the outside of the building will look like. ELEVATE

**VI. Complete the sentences with a word from the box. (7p)**

*width/elliptical/angle/perpendicular/inclined/vertical/solid*

24 The \_\_\_\_\_ line represents the floor plan.

25/26 The \_\_\_\_\_ axis of a graph is \_\_\_\_\_ to the horizontal axis.

27 The maximum \_\_\_\_\_ of the building ( 40m) is at the 16th floor.

28 The Leaning tower of Pisa used to be the most \_\_\_\_\_ tower in the world.

29 The swimming pool is enclosed in an oval or \_\_\_\_\_ building.

30 The building stands at a strange \_\_\_\_\_.

**VII. What do the following definitions refer to? Write the words. (7p)**

1. To stick out in a rounded shape, especially because something is very full or too tight B \_\_\_\_\_
2. A machine that passes an electrical beam over something in order to produce a picture of what is inside it S \_\_\_\_\_
3. a line composed of a series of dashes B \_\_\_\_\_
4. a large scale drawing that shows the full extent of the site for an existing or proposed development S \_\_\_\_\_
5. the external form, contours, or outline of someone or something S \_\_\_\_\_
6. a flat, coloured, ring-shaped membrane behind the cornea of the eye, with an adjustable circular opening (pupil) in the centre I \_\_\_\_\_
7. a device that passengers pass through and the reflected pulse detects any metal on their person W \_\_\_\_\_