

Reported speech, security technology, fingerprint scanners, design	Test 2 (8) summer term 2021/2022	12I1/12/I3 12W1 Total: /50
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- 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)

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