

I. Grammar & Vocabulary

Choose the correct answer. Only ONE answer is possible.

1- The workers with the factory manager about a pay increase and went on strike
 A- were not agree B- did not agree C- are not agree D- agreed not

2- The Internet can be a good or a bad thing, it all depends the way people use it.
 A- to B- on C- of D- from

3- Instead of looking books in a library, we can search the Internet and download them
 A- to B- at C- after D- for

4- With the Internet many teenagers escape reality
 A- 0 B- from C- of D- out of

5- This game attracts more and more playersevery new release
 A- with B- at C- for D-during

6- With the development of fiber optic connexions the Internet has made a tremendous
 A- bounce B- breakdown C- advancement D- breakthrough

7- I really don't know when I my training period as I haven't found a company yet
 A-started B- start C- will start D- will be start

8- A rise world temperatures will deeply change the climate on the earth
 A- over B-in C- of D- for

9- As the two papers were exactly the same, the teacher gave a bad mark to
 A- the two B- the twice C- twice D- both

10- This text is not very so I won't spend too much time on it
 A- interested B- interesting C- excited D- interest

11- I anything for breakfast this morning so I'm quite hungry now although it's only 11 am
 A-haven't eaten B- have eaten C- ate D- did not eat

12- You can't see Peter right now, he a bath
 A- has had B- had C- has D- is having

13- your car next week or can I borrow it?
 A- will you need B- are you need C- did you need D- were you need

- 33- She was sitting behind me on the bus but she pretended
 A- seeing me not B- to not see me C- to see me not D- not to see me
- 34- I can speak English fluently as I in London for three years
 A- have lived B- have live C- have been lived D- have living
- 35- Many different animal and plant species in tropical rain forests
 A- can be found B- can be find C- could find D- could be find
- 36- Have you listened to the weather forecast, the radio?
 A- on B- at C- over D- in
- 37- Food based on GMOs is said, human health
 A- to threat B- to threaten C- treat D- to treat
- 38- Every body, on the safety of nuclear power stations
 A- agrees not B- don't agree C- doesn't agree D- agree not
- 39- The, asked us to open up our luggage at the border
 A- customer B- custom C- custom manager D- customs officer
- 40- Do you belong, the local library?
 A- 0 B- to C- at D- in
- 41-, does this car cost?
 A- how much B- how many C- how money D- how often
- 42- The students didn't like, new teachers
 A- them B- theirs C- there D- their
- 43-, with your left hand?
 A- do you write always B- are you writing always
 C- are you always write D- do you always write
- 44- In a hundred years' time people, to the moon for their holidays
 A- will go B- went C- are going D- go
- 45- I took off my shoes, anyone
 A- to disturb not B- not to disturb C- for not disturb D- for disturb not
- 46- Extreme sports bring a lot of, to our lives
 A- excitment B- exciting C- excite D- excitation
- 47- I love, sports such as karting
 A- mechanics B- mechanical C- mechanic D- mechanically
- 48- You can find everything on the Internet but you, forget that there is also a real world
 ,A- don't have to B- must not C- may not D- need to
- 49- Some Internet users are so addicted that real life, them any more

A- doesn't interesting B- doesn't interest C- has no interest D- isn't interesting

50- I live for a long time as I enjoy life very much
 A- would want to B- would like to C- want D- would

II. Reading Comprehension

Read the text carefully and fill in the blanks with the word below that best fits the text.

1.

The problem51..... car engines out of metal is that they get52..... hot for their own good.53..... starts54..... its strength at around 700°C; engines composed of it have to be cooled55..... them breaking. That is bad for two reasons. First, it wastes energy. Second, it forces manufacturers to spend56..... money and effort developing57..... cooling systems.

One answer to the problem would be to make engines out of ceramic58..... A ceramic engine can operate at temperatures59..... 3,000°C without breaking. That eliminates the need for a cooling system.60..... the motion sensors needed to measure the performance of engines do not61..... the heat either. And62..... an engine whose performance is not being measured cannot be63..... it would seem there might be good use for a heat-tolerant sensor.

Jingshi Hu and Thomas Rosenbaum,64..... of the University of Chicago, think they have found one. As they report, in *Nature Materials*, they have been fiddling with various non-metallic materials to65..... them behave more like the metals used in sensors. After a long search, they believe they have discovered one that can handle the heat of a ceramic engine.

Oct 1st 2008 The Economist

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|------------------|----------------|------------------|---------------|
| 51- A- to make | B- with making | C- to do | D- with doing |
| 52- A- to | B- so | C- too | D- much |
| 53- A- The steel | B- The steels | C- Steels | D- Steel |
| 54- A- lose | B- to lose | C- to loose | D- loose |
| 55- A- to stop | B- stopping | C- for stop | D- stopped |
| 56- A- a lot of | B- lots | C- many | D- so |
| 57- A- nicer | B- well | C- gooder | D- better |
| 58- A- instead | B- in place | C- otherwise | D- instead of |
| 59- A- superior | B- at | C- above | D- in |
| 60- A- Unhappily | B- Unluckily | C- Unfortunately | D- Unusually |
| 61- A- love | B- like | C- enjoy | D- please |
| 62- A- for | B- as for | C- because of | D- since |
| 63- A- ruled | B- rule | C- regulate | D- regulated |
| 64- A- both | B- two | C- the two | D- twice |
| 65- A- do | B- making | C- make | D- doing |

2.

Read this text carefully and choose the best answer for each following question:

The hot gases passing through a vehicle's exhaust could be tapped to generate power, using "cuffs" made from a new carbon-nanotube-based material. The "thermocell" produces electricity at a similar cost per watt as commercial solar cells.

All around us there are opportunities to soak up wasted heat and convert it into electricity : car exhaust pipes and power stations are just two forms of technology that waste a lot of heat and could be improved by building thermocells into their designs to recover lost energy.

However, to date the most effective thermocells have been based around expensive platinum electrodes, making them impractical. Scientists have now shown that cheaper carbon nanotubes can be used instead, because the nanotubes pack a huge surface area into a tiny volume, and electrons transfer quickly between the electrolyte and nanotube electrodes. They have made thermocells three times as efficient as any before. Nano letters march 2010

66- The aim of the research described here is to:

- A- improve solar cell efficiency
- B- improve car engine efficiency
- C- cool car exhaust pipes down
- D- convert heat into electricity

67- This research will be implemented :

- A- on cars
- B- on solar panels
- C- in homes
- D- on electrical bulbs

68- How does carbon nano tube based electricity compare with solar cell electricity in terms of price?

- A- it is more expensive
- B- it takes less time
- C- it is cheaper
- D- it costs the same

69- Why isn't the heat generated by exhaust pipes used now?

- A- the technology does not exist
- B- the technology costs too much
- C- The device is too big to be fitted on an exhaust pipe
- D- the technology can damage exhaust pipes

70- Which of these advantages brought by carbon nano tubes is NOT mentioned in the text?

- A- they protect the environment
- B- they save heat energy
- C- they are more efficient
- D- they generate electricity very quickly

71- Which of these devices is NOT mentioned in the text as being able to generate electrical power?

- A- power station
- B- solar cells
- C- natural gas
- D- car exhaust pipes

72- Platinum electrodes are rejected by the author of the article because:

- A- platinum is a rare material
- B- platinum does not stand high temperatures
- C- platinum based designs are too complex to implement
- D- platinum is an expensive material

73- What advantage of carbon nano tube technology is NOT mentioned in the text when they are used in an electricity generating device ?

- A- they don't take up much space
- B- they can be used to design very large electrodes
- C- they are cheaper than other technologies
- D- they don't pollute the environment