



IELTS Practice Tests Plus Volume 3 Reading Practice Test 1

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READING PASSAGE 1

You should spend about 20 minutes on Questions 1-13, which are based on Reading Passage 1 below.



Reducing electricity consumption on the Isle of Eigg

Background

The Isle of Eigg is situated off the West Coast of Scotland, and is reached by ferry from the mainland. For the island community of about a hundred residents, it has always been expensive to import products, materials and skilled labour from the mainland, and this has encouraged a culture of self-sufficiency and careful use of resources. Today, although the island now has most modern conveniences, CO₂ emissions per household are 20 percent lower than the UK average, and electricity use is 50 percent lower.

When Eigg designed its electricity grid, which was switched on in February 2008, it quickly became apparent that in order to keep the capital building costs down, it would be necessary to manage demand. This would also allow the island to generate most of its electricity from renewable sources, mainly water, wind and solar power. This goal was overseen by the Eigg Heritage Trust (EHT).

The technology

Eigg manages electricity demand mainly by capping the instantaneous power that can be used to five kilowatts (kW) for a household and ten kW for a business. If usage goes over the limit, the electricity supply is cut off and the maintenance team must be called to come and switch it back on again. All households and businesses have energy monitors, which display current and cumulative electricity usage, and sound an alarm when consumption reaches a user-defined level, usually set a few hundred watts below the actual limit. The result is that Eigg residents have a keen sense of how much power different electrical appliances use, and are careful to minimise energy consumption.

Demand is also managed by warning the entire island when renewable energy generation is lower than demand, and diesel generators are operating to back it up - a so-called 'red

light day', as opposed to 'green light days' when there is sufficient renewable energy. Residents then take steps to temporarily reduce electricity demand further still, or postpone demand until renewable energy generation has increased.

Energy use on the island has also been reduced through improved wall and loft insulation in homes, new boilers, solar water heating, carsharing and various small, energy-saving measures in households. New energy supplies are being developed, including sustainably harvested forests to supply wood for heating.

Eigg Heritage Trust has installed insulation in all of its own properties at no cost to the tenants, while private properties have paid for their own insulation to be installed. The same applies for installations of solar water heating, although not all Trust properties have received this as yet. The Trust also operates a Green Grants scheme, where residents can claim 50 percent of the cost of equipment to reduce carbon emissions, up to a limit of £300. Purchases included bikes, solar water heating, secondary glazing, thicker curtains, and greenhouses to grow food locally, rather than importing it.

Environmental benefits

Prior to the installation of the new electricity grid and renewable energy generation, most households on Eigg used diesel generators to supply electricity, resulting in significant carbon emissions. Homes were also poorly insulated and had old, inefficient oil-burning boilers, or used coal for heating.

The work by the Eigg Heritage Trust to reduce energy use has resulted in significant reductions in carbon emissions from the island's households and businesses. The average annual electricity use per household is just 2,160 kilowatt hours (kWh), compared to a UK average in 2008 of 4,198 kWh. Domestic carbon emissions have fallen by 47 percent, from 8.4 to 4.45 tonnes per year. This compares to average UK household emissions of 5.5 to 6 tonnes per year. The emissions should fall even further over the next few years as the supply of wood for heating increases.

Social benefits

The completion of Eigg's electricity grid has made a significant difference to the island's residents, freeing them from dependence on diesel generators and providing them with a stable and affordable power supply. A reliable electricity supply has brought improvements in other areas, for example, better treatment of drinking water in some houses, and the elimination of the constant noise of diesel generators. Improved home insulation and heating has also yielded benefits, making it more affordable to keep homes at a comfortable temperature. One of the incentives for capping electricity use, rather than charging different amounts according to usage, was to make access to energy equitable. Every household has the same five kW cap, irrespective of income, so distributing the available resources equally across the island's population.

Economic and employment benefits

Eigg's electricity grid supports four part-time maintenance jobs on the island, and residents have also been employed for building work to improve Trust-owned houses and other buildings. Likewise, the start of organised harvesting of wood for heating has created several forestry jobs for residents. A part-time 'green project manager' post has also been created. A wider economic impact has come from having a reliable and affordable electricity supply, which has enabled several new businesses to start up, including restaurants, shops, guest houses and self-catering accommodation. As Eigg has become known for cutting carbon emissions and protecting the environment, an increasing number of visitors have come to the island to learn about its work, bringing a further economic benefit to the residents.

Questions 1-7

Answer the questions below.

Choose **NO MORE THAN TWO WORDS AND/OR A NUMBER** from the passage for each answer.

Approximately how many people live on Eigg?

1 _____

What proportion of a UK household's electricity consumption does an Eigg household consume?

2 _____

Apart from wind and sun, where does most of Eigg's electricity come from?

3 _____

What device measures the amount of electricity Eigg's households are using?

4 _____

When renewable energy supplies are insufficient, what backs them up?

5 _____

What has EHT provided free of charge in all the houses it owns?

6 _____

Which gardening aid did some Eigg inhabitants claim grants for?

7 _____

Questions 8-13

Do the following statements agree with the information given in Reading Passage 1? Write

TRUE	if the statement agrees with the information
FALSE	if the statement contradicts the information
NOT GIVEN	If there is no information on this

- 8 Electricity was available for the first time on Eigg when a new grid was switched on.
- 9 Eigg's carbon emissions are now much lower than before.
- 10 Wood will soon be the main source of heating on Eigg.
- 11 Eigg is quieter as a result of having a new electricity supply.
- 12 Well-off households pay higher prices for the use of extra electricity.
- 13 The new electricity grid has created additional employment opportunities on Eigg.

READING PASSAGE 2

You should spend about 20 minutes on Questions 14-26, which are based on Reading Passage 2 below:



Change in business organisations

A The forces that operate to bring about change in organisations can be thought of as winds which are many and varied - from small summer breezes that merely disturb a few papers, to mighty howling gales which cause devastation to structures and operations, causing consequent reorientation of purpose and rebuilding. Sometimes, however, the winds die down to give periods of relative calm, periods of relative organisational stability. Such a period was the agricultural age, which Goodman (1995) maintains prevailed in Europe and western societies as a whole until the early 1700s. During this period, wealth was created in the context of an agriculturally based society influenced mainly by local markets (both customer and labour) and factors outside people's control, such as the weather. During this time, people could fairly well predict the cycle of activities required to maintain life, even if that life might be at little more than subsistence level.

B To maintain the meteorological metaphor, stronger winds of change blew to bring in the Industrial Revolution and the industrial age. Again, according to Goodman, this lasted for a long time, until around 1945. It was characterised by a series of inventions and innovations that reduced the number of people needed to work the land and, in turn, provided the means of production of hitherto rarely obtainable goods; for organisations, supplying these in ever increasing numbers became the aim. To a large extent, demand and supply were predictable, enabling . companies to structure their organisations along what Burns and Stalker (1966) described as mechanistic lines, that is as systems of strict hierarchical structures and firm means of control.

C This situation prevailed for some time, with demand still coming mainly from the

domestic market and organisations striving to fill the 'supply gap'. Thus the most disturbing environmental influence on organisations of this time was the demand for products, which outstripped supply. The saying attributed to Henry Ford that 'You can have any colour of car so long as it is black', gives a flavour of the supply-led state of the market. Apart from any technical difficulties of producing different colours of car, Ford did not have to worry about customers' colour preferences: he could sell all that he made. Organisations of this period can be regarded as 'task-oriented', with effort being put into increasing production through more effective and efficient production processes.

D As time passed, this favourable period for organisations began to decline. In the neo-industrial age, people became more discriminating in the goods and services they wished to buy and, as technological advancements brought about increased productivity, supply overtook demand. Companies began, increasingly, to look abroad for additional markets.

E At the same time, organisations faced more intensive competition from abroad for their own products and services. In the West, this development was accompanied by a shift in focus from manufacturing to service, whether this merely added value to manufactured products, or whether it was service in-its own right. In the neo-industrial age of western countries, the emphasis moved towards adding value to goods and services - what Goodman calls the value-oriented time, as contrasted with the task-oriented and products/services-oriented times of the past.

F Today, in the post-industrial age, most people agree that organisational life is becoming ever more uncertain, as the pace of change quickens and the future becomes less predictable. Writing in 1999, Nadler and Tushman, two US academics, said: 'Poised on the eve of the next century, we are witnessing a profound transformation in the very nature of our business organisations. Historic forces have converged to fundamentally reshape the scope, strategies, and structures of large enterprises.' At a less general level of analysis, Graeme Leach, Chief Economist at the British Institute of Directors, claimed in the Guardian newspaper (2000) that: 'By 2020, the nine-to-five rat race will be extinct and present levels of self-employment, commuting and technology use, as well as age and sex gaps, will have changed beyond recognition.' According to the article, Leach anticipates that: 'In 20 years time, 20-25 percent of the workforce will be temporary workers and many more will be flexible, ... 25 percent of people will no longer work in a traditional office and ... 50 percent will work from home in some form.' Continuing to use the 'winds of change' metaphor, the expectation's of damaging gale-force winds bringing the need for rebuilding that takes the opportunity to incorporate new ideas and ways of doing things.

G Whether all this will happen is arguable. Forecasting the future is always fraught with difficulties. For instance, Mannermann (1998) sees future studies as part art and part science and notes: 'The future is full of surprises, uncertainty, trends and trend breaks,

irrationality and rationality, and it is changing and escaping from our hands as time goes by. It is also the result of actions made by innumerable more or less powerful forces.' What seems certain is that the organisational world is changing at a fast rate - even if the direction of change is not always predictable. Consequently, it is crucial that organisational managers and decision makers are aware of, and able to analyse the factors which trigger organisational change.

Questions 14-18

Reading Passage 2 has SEVEN paragraphs, A-G.

Which paragraph contains the following information?

Write the correct letter, A-G.

- 14 some specific predictions about businesses and working practices
- 15 reference to the way company employees were usually managed
- 16 a warning for business leaders
- 17 the description of an era notable for the relative absence of change
- 18 a reason why customer satisfaction was not a high priority

Questions 19-23

Look at the following characteristics (Questions 19-23) and the list of periods below.

Match each characteristic with the correct period, A, B or C.

Write the correct letter, A, B or C.

NB You may use any letter **more than once**.

- 19 a surplus of goods.
- 20 an emphasis on production quantity.
- 21 the proximity of consumers to workplaces.

22 a focus on the quality of goods.

23 new products and new ways of working.

List of periods	
A	The agricultural age.
B	The industrial age.
C	The neo-industrial age.

Questions 24-26

Complete the summary below.

Choose **ONE WORD ONLY** from the passage for each answer.

Businesses in the 21st century

It is generally agreed that changes are taking place more quickly now, and that organisations are being transformed. One leading economist suggested that by 2020, up to a quarter of employees would be 24 and half of all employees would be based in the 25 . Although predictions can be wrong, the speed of change is not in doubt, and business leaders need to understand the 26 that will be influential.

READING PASSAGE 3

You should spend about 20 minutes on Questions 27-40, which are based on Reading Passage 3 below.



The creation of lasting memories

Many studies of the brain processes underlying the creation of memory consolidation (lasting memories) have involved giving various human and animal subjects treatment, while training them to perform a task. These have contributed greatly to our understanding.

In pioneering studies using goldfish, Bernard Agranoff found that protein synthesis inhibitors injected after training caused the goldfish to forget what they had learned. In other experiments, he administered protein synthesis inhibitors immediately before the fish were trained. The remarkable finding was that the fish learned the task completely normally, but forgot it within a few hours - that is, the protein synthesis inhibitors blocked memory consolidation, but did not influence short-term memory.

There is now extensive evidence that short-term memory is spared by many kinds of treatments, including electro-convulsive therapy (ECT), that block memory consolidation. On the other hand, and equally importantly, neuroscientist Ivan Izquierdo found that many drug treatments can block short-term memory without blocking memory consolidation. Contrary to the hypothesis put forward by Canadian psychologist Donald Hebb, in 1949, long-term memory does not require short-term memory, and vice versa.

Such findings suggest that our experiences create parallel, and possibly independent stages of memory, each with a different life span. All of this evidence from clinical and experimental studies strongly indicates that the brain handles recent and remote memory in different ways; but why does it do that?

We obviously need to have memory that is created rapidly: reacting to an ever and rapidly changing environment requires that. For example, most current building codes require that the heights of all steps in a staircase be equal. After taking a couple of steps, up or down, we implicitly remember the heights of the steps and assume that the others will be the same. If they are not the same, we are very likely to trip and fall. Lack of this kind of rapidly created implicit memory would be bad for us and for insurance companies, but perhaps good for lawyers. It would be of little value to us if we remembered the heights of the steps only after a delay of many hours, when the memory becomes consolidated.

The hypothesis that lasting memory consolidates slowly over time is supported primarily by clinical and experimental evidence that the formation of long-term memory is influenced by treatments and disorders affecting brain functioning. There are also other kinds of evidence indicating more directly that the memories consolidate over time after learning. Avi Kami and Dov Sagi reported that the performance of human subjects trained in a visual skill did not improve until eight hours after the training was completed, and that improvement was even greater the following day. Furthermore, the skill was retained for several years.

Studies using human brain imaging to study changes in neural activity induced by learning have also reported that the changes continue to develop for hours after learning. In an innovative study using functional imaging of the brain, Reza Shadmehr and Henry Holcomb examined brain activity in several brain regions shortly after human subjects were trained in a motor learning task requiring arm and hand movements. They found that while the performance of the subjects remained stable for several hours after completion of the training, their brain activity did not; different regions of the brain were predominantly active at different times over a period of several hours after the training. The activity shifted from the prefrontal cortex to two areas known to be involved in controlling movements, the motor cortex and cerebellar cortex. Consolidation of the motor skill appeared to involve activation of different neural systems that increased the stability of the brain processes underlying the skill.

There is also evidence that learning-induced changes in the activity of neurons in the cerebral cortex continue to increase for many days after the training. In an extensive series of studies using rats with electrodes implanted in the auditory cortex, Norman Weinberger reported that, after a tone of specific frequency was paired a few times with footshock, neurons in the rats' auditory cortex responded more to that specific tone and less to other tones of other frequencies. Even more interestingly, the selectivity of the neurons' response to the specific tone used in training continued to increase for several days after the training was terminated.

It is not intuitively obvious why our lasting memories consolidate slowly. Certainly, one can wonder why we have a form of memory that we have to rely on for many hours, days

or a lifetime, that is so susceptible to disruption shortly after it is initiated. Perhaps the brain system that consolidates long-term memory over time was a late development in vertebrate evolution. Moreover, maybe we consolidate memories slowly because our mammalian brains are large and enormously complex. We can readily reject these ideas. All species of animals studied to date have both short and long-term memory; and all are susceptible to retrograde amnesia. Like humans, birds, bees, and molluscs, as well as fish and rats, make long-term memory slowly. Consolidation of memory clearly emerged early in evolution, and was conserved.

Although there seems to be no compelling reason to conclude that a biological system such as a brain could not quickly make a lasting memory, the fact is that animal brains do not. Thus, memory consolidation must serve some very important adaptive function or functions. There is considerable evidence suggesting that the slow consolidation is adaptive because it enables neurobiological processes occurring shortly after learning to influence the strength of memory for experiences. The extensive evidence that memory can be enhanced, as well as impaired, by treatments administered shortly after training, provides intriguing support for this hypothesis.

Questions 27-31

Choose the correct letter, A, B, C or D.

27 Experiments by Bernard Agranoff described in Reading Passage 3 involved

- A injecting goldfish at different stages of the experiments.
- B training goldfish to do different types of task.
- C using different types of treatment on goldfish.
- D comparing the performance of different goldfish on certain tasks.

28 Most findings from recent studies suggest that

- A drug treatments do not normally affect short-term memories.
- B long-term memories build upon short-term memories.
- C short and long-term memories are formed by separate processes.
- D ECT treatment affects both short-and long-term memories.

29 In the fifth paragraph, what does the writer want to show by the example of staircases?

- A Prompt memory formation underlies the performance of everyday tasks.

- B Routine tasks can be carried out unconsciously.
- C Physical accidents can impair the function of memory.
- D Complex information such as regulations cannot be retained by the memory.

30 Observations about memory by Kami and Sagi

- A cast doubt on existing hypotheses.
- B related only to short-term memory.
- C were based on tasks involving hearing.
- D confirmed other experimental findings.

31 What did the experiment by Shadmehr and Holcomb show?

- A Different areas of the brain were activated by different tasks.
- B Activity in the brain gradually moved from one area to other areas.
- C Subjects continued to get better at a task after training had finished.
- D Treatment given to subjects improved their performance on a task.

Questions 32-36

Do the following statements agree with the views of the writer in Reading Passage 3?

Write

YES	if the statement agrees with the views of the writer
NO	if the statement contradicts the views of the writer
NOT GIVEN	if it is impossible to say what the writer thinks about this

32 The training which Kami and Sagi's subjects were given was repeated over several days.

33 The rats in Weinberger's studies learned to associate a certain sound with a specific experience.

34 The results of Weinberger's studies indicated that the

strength of the rats' learned associations increases with time.

35 It is easy to see the evolutionary advantage of the way lasting memories in humans are created.

36 Long-term memories in humans are more stable than in many other species.

Questions 37-40

Complete the summary using the list of words, A-I, below

Long-term memory

Various researchers have examined the way lasting memories are formed. Laboratory experiments usually involve teaching subjects to do something

37 and treating them with mild electric shocks or drugs.

Other studies monitor behaviour after a learning experience, or use sophisticated equipment to observe brain activity.

The results are generally consistent: they show that lasting memories are the result of a 38 and complex biological process.

The fact that humans share this trait with other species, including animals with 39 brains, suggests that it developed 40 in our evolutionary history.

A	early
B	easy
C	large
D	late
E	lengthy
F	new
G	recently
H	small
I	quick



Solution:

- 1 100/a hundred
- 2 50%/50 percent
- 3 (mainly) water
- 4 energy monitors
- 5 diesel generators
- 6 insulation
- 7 greenhouses
- 8 FALSE
- 9 TRUE
- 10 NOT GIVEN
- 11 TRUE
- 12 FALSE
- 13 TRUE
- 27 A
- 28 C
- 29 A
- 30 D
- 31 B
- 32 NOT GIVEN
- 33 YES

34 YES

35 NO

36 NOT GIVEN

37 F

38 E

39 H

40 A

14 F

15 B

16 G

17 A

18 C

19 C

20 B

21 A

22 C

23 B

24 temporary

25 home

26 factors

Review and Explanations

1 Answer: **100/a hundred**

Keywords in Questions	Similar words in Passage
<p>Q1. Approximately how many people live on Eigg?</p>	<p>For the island community of about a hundred residents</p>
<p>After reading paragraph 1, we can easily see that the correct answer for Q1 should be “a hundred”</p> <p><i>“People”</i> and <i>“residents”</i> are <i>interchangeable</i> in this context.</p> <p>Thus, the correct answer for Q1 should be “a hundred”</p>	

2 Answer: **50%/50 percent**

Keywords in Questions	Similar words in Passage
<p>Q2. What proportion of a UK household's electricity consumption does an Eigg household consume?</p>	<p>Today, although the island now has most modern conveniences, CO2 emissions per household are 20 percent lower than the UK average, and electricity use is 50 percent lower.</p>
<p>From paragraph 1, <i>“electricity use is 50 percent lower”</i> means that <i>“Eigg household consumes electricity is 50 percent lower than the UK average”</i></p> <p>Thus, the correct answer for Q2 should be “50 percent”</p>	

3 Answer: **(mainly) water**

Keywords in Questions	Similar words in Passage
<p>Q3. Apart from wind and sun, where does most of Eigg's electricity come from?</p>	<p>This would also allow the island to generate most of its electricity from renewable sources, mainly water , wind and solar power</p>

After reading **paragraph 1**, we can see that:

“*Most*” and “*mainly*” have the *same meaning* in this case.

From paragraph 1, “*water, wind and solar power*” are mentioned *as sources to generate electricity in Island Eigg*.

“*Wind and sun*” and “*wind and solar power*” are *interchangeable* in this context.

Thus, **the correct answer** for **Q3** should be “**water**”

4 Answer: **energy monitors**

Keywords in Questions	Similar words in Passage
Q4. What device measures the amount of electricity Eigg’s households are using?	All households and businesses have energy monitors , which display current and cumulative electricity usage

After reading **paragraph 2**, we can see that:

“*Measure the amount of electricity Eigg’s household are using*” and “*display current and cumulative electricity usage*” refer to the *same meaning* in this case.

From **paragraph 2**, the **device** to measure electricity usage is **energy monitors**

Thus, **the correct answer** for **Q4** should be “**energy monitors**”

5 Answer: **diesel generators**

Keywords in Questions	Similar words in Passage
Q5. When renewable energy supplies are insufficient, what backs them up?	...when renewable energy generation is lower than demand, and diesel generators are operating to back it up - a so-called ‘red light day’, as opposed to ‘green light days’ when there is sufficient renewable energy.

After reading **paragraph 2**, we can see that:

“*Insufficient*” and “*lower than demand*” have the *same meaning* in this case.

The device can back renewable energy supplies(renewable energy generation) up is diesel generators

Thus, **the correct answer** for **Q5** should be “**diesel generators**”

6 Answer: **insulation**

Keywords in Questions	Similar words in Passage
<p>Q6. What has EHT provided free of charge in all the houses it owns?</p>	<p>Eigg Heritage Trust has installed insulation in all of its own properties at no cost to the tenants</p>
<p>After reading paragraph 2, all the keywords are mentioned, we can easily see that the correct answer for Q5 should be “insulation”</p> <p><i>“Provided”</i> and <i>“installed”</i> have the <i>same meaning</i> in this case.</p> <p><i>“Free of charge”</i> and <i>“no cost”</i> are <i>interchangeable</i> in this context.</p> <p>Thus, the correct answer for Q6 should be “insulation”</p>	

7 Answer: **greenhouses**

Keywords in Questions	Similar words in Passage
<p>Q7. Which gardening aid did some Eigg inhabitants claim grants for?</p>	<p>The Trust also operates a Green Grants scheme, where residents can claim 50 percent the cost of equipment to reduce carbon emissions, up to a limit of £300. Purchases included bikes, solar water heating, secondary glazing, thicker curtains and greenhouses to grow food locally, rather than importing it.</p>
<p>After reading paragraph 2, we can see that:</p> <p><i>“Bikes, solar water heating, secondary glazing, thicker curtains, and greenhouses”</i> are mentioned as <i>equipments</i> that inhabitants claim grants for. From the question, “gardening aid” refers to “greenhouses”.</p> <p>Thus, the correct answer for Q7 should be “greenhouses”</p>	

8 Answer: **FALSE**

Keywords in Questions	Similar words in Passage
<p>Q8. Electricity was available for the first time on Eigg when a new grid was switched on.</p>	<p>Prior to the installation of the new electricity grid and renewable energy generation, most households on Eigg used diesel generators to supply electricity.</p>

After reading **paragraph 3**, we can see that:

"Prior to the installation" means "before the installation".

- The question means that "there was no electricity on Eigg before a grid was switched on", but the passage says that 'people living on Eigg used diesel generators to supply electricity before the installation of the new grid'.

The **information** in **Q8** and **paragraph 3** is **opposite** to each other. Thus, the **correct answer** for **Q8** should be "**FALSE**"

9 Answer: **TRUE**

Keywords in Questions	Similar words in Passage
<p>Q9. Eigg's carbon emissions are now much lower than before</p>	<p>The work by the Eigg Heritage Trust to reduce energy use has resulted in significant reductions in carbon emissions from the island's households and businesses.</p>

After reading **paragraph 3**, we can see that:

"The work by the Eigg Heritage Trust to reduce energy use has resulted in significant reductions in carbon emissions", means that "carbon emissions reduced significantly, were much lower than before"

Thus, **the correct answer** for **Q9** should be "**TRUE**"

10 Answer: **NOT GIVEN**

Keywords in Questions	Similar words in Passage
<p>Q10. Wood will soon be the main source of heating on Eigg</p>	

Although passage 1 mentioned that "The emissions should fall even further over the next few years as the supply of wood for heating increases", but it **did not mention** "Wood will soon be the main source of heating on Eigg" or not.

Thus, **the correct answer** for **Q10** should be "**NOT GIVEN**"

11 Answer: **TRUE**

Keywords in Questions	Similar words in Passage

<p>Q11. Eigg is quieter as a result of having a new electricity supply</p>	<p>A reliable electricity supply has brought improvements in other areas, for example, better treatment of drinking water in some houses, and the elimination of the constant noise of diesel generators.</p>
<p>After reading paragraph 4, we can see that:</p> <p><i>“The elimination of the constant noise of diesel generator”</i> means that <i>“The island (Eigg) is quieter.</i></p> <p><i>“Elimination of noise”</i> and <i>“quiet”</i> have the <i>same meaning</i> in this case.</p> <p>Thus, the correct answer for Q11 should be “TRUE”</p>	

12 Answer: **FALSE**

Keywords in Questions	Similar words in Passage
<p>Q12. Well-off households pay higher prices for the use of extra electricity</p>	<p>Every household has the same five kW cap, irrespective of income, so distributing the available resources equally across the island’s population</p>
<p>After reading paragraph 4, we can see that <i>electricity usage is the same for island’s population, irrespective of income</i>, contradicted with “well-off households pay higher prices...”</p> <p>Thus, the correct answer for Q12 should be “FALSE”</p>	

13 Answer: **TRUE**

Keywords in Questions	Similar words in Passage
<p>Q13. The new electricity grid has created additional employment opportunities on Eigg.</p>	<p>Eigg’s electricity grid supports four part-time maintenance jobs on the island residents have also been employed for building work to improve Trust-owned houses and other buildings</p> <p>A part-time ‘green project manager’ post has also been created.</p> <p>...which has enabled several new businesses to start up</p>

After reading **paragraph 5**, we can easily see that “new electricity has created many jobs and opportunities on the island”

Thus, **the correct answer** for **Q13** should be **“TRUE”**

27 Answer: **A**

Keywords in Questions	Similar words in Passage
<p>Q27. Experiments by Bernard Agranoff described in Reading Passage 3 involved:</p> <p>A injecting goldfish at different stages of the experiments.</p> <p>B training goldfish to do different types of task.</p> <p>C using different types of treatment on goldfish.</p> <p>D comparing the performance of different goldfish on certain tasks.</p>	<p>Bernard Agranoff found that protein synthesis inhibitors injected after training caused the goldfish to forget what they had learned. In other experiments, he administered protein synthesis inhibitors immediately before the fish were trained.</p>

After reading **paragraph 2**, we could **rule out option B, C and D** because:

+ **Option B&C:** we could not find any information relating to option B and C (no training or using different types of treatment on goldfish)

+ **Option D:** **no** comparing the performance of different goldfish on certain tasks, the studies show the results in different stages of the experiments.

We should choose **option A** to be the **correct answer for Q27** because:

From paragraph 2, “protein synthesis inhibitors injected after training or immediately before the fish were trained”, means that goldfish is injected in different stages the experiments.

Thus, **the correct answer** for **Q27** should be **“A”**

28 Answer: **C**

Keywords in Questions	Similar words in Passage

<p>Q28. Most findings from recent studies suggest that</p> <p>A. drug treatments do not normally affect short-term memories.</p> <p>B. long-term memories build upon short-term memories.</p> <p>C. short and long-term memories are formed by separate processes.</p> <p>D. ECT treatment affects both short-and long-term memories.</p>	<p>Such findings suggest that our experiences create parallel and possibly independent stages of memory, each with a different life span.</p>
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After reading **paragraph 3**, we **could rule out option A, B and D** because:

- + **Option A:** “neuroscientist Ivan Izquierdo found that many drug treatments can block short-term memory without blocking memory consolidation”, **different** from the information in **option A**
- + **Option B:** “long-term memory does not require short-term memory”, **different** from the information in **option B**
- + **Option D:** we **could not find any information** relating to option D

We should choose **option C** to be the **correct answer** for **Q28** because:

From **paragraph 3**, “*separate processes*” and “*create parallel*” & “*independent stages of memory*” have the *same meaning* in this case.

Thus, **the correct answer** for **Q28** should be “**C**”

29 Answer: **A**

Keywords in Questions	Similar words in Passage
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<p>Q29. In the fifth paragraph, what does the writer want to show by the example of staircases?</p> <p>A. Prompt memory formation underlies the performance of everyday tasks.</p> <p>B. Routine tasks can be carried out unconsciously.</p> <p>C. Physical accidents can impair the function of memory.</p> <p>D. Complex information such as regulations cannot be retained by the memory.</p>	<p>We obviously need to have memory that is created rapidly: reacting to an ever and rapidly changing environment requires that. For example, most current building codes require that the heights of all steps in a staircase be equal.</p>
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After reading **paragraph 5**, we **could rule out option B, C and D** because we **could not find any information** relating to **option B, C and D**

We should choose **option A** to be the **correct answer** for **Q29** because:

“Heights of all steps in a staircase be equal” refers to “performance of everyday tasks”

“memory that is created rapidly: reacting to an ever and rapidly changing...” Refers to *“prompt memory formation”*

Thus, **the correct answer** for **Q29** should be **“A”**

30 Answer: **D**

Keywords in Questions	Similar words in Passage
<p>Q30. Observations about memory by Kami and Sagi</p> <p>A. cast doubt on existing hypotheses.</p> <p>B. related only to short-term memory.</p> <p>C. were based on tasks involving hearing.</p> <p>D. confirmed other experimental findings.</p>	<p>There are also other kinds of evidence indicating more directly that the memories consolidate over time after learning. Avi Kami and DovSagi reported that the performance of human subjects trained in a visual skill did not improve until eight hours after the training was completed, and that improvement was even greater the following day . Furthermore, the skill was retained for several years.</p>

After reading **paragraph 6**, we can easily see “observations about memory by Kami and Sagi are other kinds of evidence indicating more directly that memories consolidate over time after learning”, **confirmed other findings.**

Thus, **the correct answer** for **Q30** should be **“D”**

31 Answer: **B**

Keywords in Questions	Similar words in Passage
<p>Q31. What did the experiment by Shadmehr and Holcomb show?</p> <p>A. Different areas of the brain were activated by different tasks.</p> <p>B. Activity in the brain gradually moved from one area to other areas.</p> <p>C. Subjects continued to get better at a task after training had finished.</p> <p>D. Treatment given to subjects improved their performance on a task.</p>	<p>They found that while the performance of the subjects remained stable for several hours after completion of the training, their brain activity did not; different regions of the brain were predominantly active at different times over a period of several hours after the training</p>

After reading **paragraph 7**, we could **rule out option A, C and D** because:

+ **Option A&C:** “performance of the subjects *remained stable* for several hours after completion of the training”, it means **contradicted** with the information in **option A and C**

+ **Option D:** we **could not find any information** confirming “Treatment given to subjects improved their performance on a task” or not.

We should choose **option B** to be the **correct answer** for **Q31** because:

“**their brain activity did not; different regions** of the brain were *predominantly active at different times* over *a period of several hours after the training*”, it means that activities in the brain were not stable, and moved to other different areas.

Thus, **the correct answer** for **Q31** should be **“B”**

32 Answer: **NOT GIVEN**

Keywords in Questions	Similar words in Passage
<p>Q32. The training which Kami and Sagi’s subjects were given was repeated over several days.</p>	

After reading **passage 3**, we **could not find any information** confirming that “the training which Kami and Sagi’s subjects were given was repeated over several days” or not

Thus, **the correct answer** for **Q32** should be **“NOT GIVEN”**

33 Answer: **YES**

Keywords in Questions	Similar words in Passage
<p>Q33. The rats in Weinberger’s studies learned to associate a certain sound with a specific experience.</p>	<p>Norman Weinberger reported that, after a tone of specific frequency was paired a few times with footshock, neurons in the rats’ auditory cortex responded more to that specific tone and less to other tones of other frequencies</p>
<p>After reading paragraph 8, we can see that:</p> <p>“rats’ auditory cortex responded more to that specific tone and less to other tones of other frequencies”, means that rats associate a certain sound with a specific experience “<i>specific experience</i>” and “<i>specific frequency</i>” and “<i>specific tone</i>” have the <i>same meaning</i> in this case.</p> <p>Thus, the correct answer for Q33 should be “YES”</p>	

34 Answer: **YES**

Keywords in Questions	Similar words in Passage
<p>Q34. The results of Weinberger’s studies indicated that the strength of the rats’ learned associations increases with time</p>	<p>Even more interestingly, the selectivity of the neurons’ response to the specific tone used in training continued to increase for several days after the training was terminated.</p>
<p>After reading paragraph 8, we can see that:</p> <p>“<i>Strength of the rats’ learned associations</i>” and “<i>selectivity of the neurons’ response to the specific tone</i>” have the <i>same meaning</i> in this case.</p> <p>“<i>Increase with time</i>” and “<i>increase for several days...</i>” refer to the <i>same meaning</i> in this context.</p> <p>The information in Q34 and in paragraph 9 refer to the same meanings.</p> <p>Thus, the correct answer for Q34 should be “YES”</p>	

35 Answer: **NO**

Keywords in Questions	Similar words in Passage
Q35. It is easy to see the evolutionary advantage of the way lasting memories in humans are created.	It is not intuitively obvious why our lasting memories consolidate slowly.
<p>After reading paragraph 9, we can easily see “It is <i>not intuitively obvious</i> why our lasting memories consolidate slowly”, contradicts with the information in Q35.</p> <p>“Easy to see” and “not intuitively obvious” have different meaning in this case.</p> <p>Thus, the correct answer for Q35 should be “NO”</p>	

36 Answer: **NOT GIVEN**

Keywords in Questions	Similar words in Passage
Q36. Long-term memories in humans are more stable than in many other species.	
<p>After reading passage 3, we could not find any information confirming that “there is a comparison between long-term memories in humans and other species”</p> <p>Thus, the correct answer for Q36 should be “NOT GIVEN”</p>	

37 Answer: **F**

Keywords in Questions	Similar words in Passage
Q37. Laboratory experiments usually involve teaching subjects to do something and treating them with mild electric shocks or drugs.	Many studies of the brain processes underlying the creation of memory consolidation (lasting memories) have involved giving various human and animal subjects treatment , while training them to perform a task. These have contributed greatly to our understanding.

After reading **paragraph 1**, we can see that:

“Giving various human and animal subjects treatment” means that *“teaching subjects to do many things different, new ways and treating them”*

Follow words recommended, **suitable answer** for **Q37** should be **“new”**

Thus, **the correct answer** for **Q37** should be **“F- new”**

38 Answer: **E**

Keywords in Questions	Similar words in Passage
<p>Q38. The results are generally consistent: they show that lasting memories are the result of a _____ and complex biological process</p>	<p>P6: The hypothesis that lasting memory consolidates slowly over time is supported primarily by clinical and experimental evidence that the formation of long-term memory is influenced by treatments and disorders affecting brain functioning</p> <p>P9: Moreover, maybe we consolidate memories slowly because our mammalian brains are large and enormously complex</p>

After reading **paragraph 6 and 9**, we can see that:

“Lasting memories consolidates *slowly over time* and maybe we consolidate memories slowly because our mammalian brains are large and *enormously complex*”

Follow words recommended, **suitable answer** for **Q38** should have **same meaning** with *“slowly over time”*.

Thus, **the correct answer** for **Q38** should be **“E- lengthy”**

39 Answer: **H**

40 Answer: **A**

14 Answer: **F**

Keywords in Questions	Similar words in Passage
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<p>Q14. Some specific predictions about businesses and working practices</p>	<p>in the post-industrial age, most people agree that organisational life is becoming ever more uncertain, as the pace of change quickens and the future becomes less predictable.</p> <p>Writing in 1999, Nadler and Tushman, two US academics, said: 'Poised on the eve of the next century, we are witnessing a profound transformation in the very nature of our business organisations.....'</p> <p>Graeme Leach, Chief Economist at the British Institute of Directors, claimed in the Guardian newspaper (2000) that: 'By 2020, the nine-to-five rat race will be extinct and present levels of self-employment....'</p>
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After reading **paragraph F**, we can see that the author suggested “the future becomes less predictable” and gave some predictions of Nadler and Tushman and Graeme Leach about business organizations and employment... it means that they are specific predictions of some experts.

Thus, **the correct answer** for **Q14** should be **“F”**

15 Answer: **B**

Keywords in Questions	Similar words in Passage
<p>Q15. reference to the way company employees were usually managed</p>	<p>It was characterised by a series of inventions and innovations that reduced the number of people needed to work the land and, in turn, provided the means of production of hitherto rarely obtainable goods.</p> <p>That is as systems of strict hierarchical structures and firm means of control.</p>

After reading **paragraph B**, “That is as systems of strict hierarchical structures and firm means of control”, we can see that employees were managed by means of control and affected by series of inventions and innovations...”

Thus, **the correct answer** for **Q15** should be **“B”**

16 Answer: **G**

Keywords in Questions	Similar words in Passage
<p>Q16. a warning for business leaders</p>	<p>Consequently, it is crucial that organisational managers and decision makers are aware of, and able to analyse the factors which trigger organisational change.</p>
<p>After reading paragraph G, we can see that “the author reminded that organisational managers and decision makers are aware of, and able to analyse the factors which trigger organisational change”, refers to a warning for business leaders.</p> <p><i>“Business leaders”</i> and <i>“organizational managers”</i> and <i>“decision makers”</i> refer to the <i>same people</i> in this case.</p> <p>Thus, the correct answer for Q16 should be “G”</p>	

17 Answer: **A**

Keywords in Questions	Similar words in Passage
<p>Q17. the description of an era notable for the relative absence of change</p>	<p>Sometimes, however, the winds die down to give periods of relative calm, periods of relative organisational stability.</p>
<p>After reading paragraph 5, we can see that:</p> <p><i>“Relative absence of change”</i> and <i>“relative calm”</i> & <i>“relative organizational stability”</i> have the <i>same meaning</i> in this case.</p> <p>we can easily see that only paragraph A mentioned <i>“<u>periods of relative calm, relative organizational stability</u>”</i></p> <p>Thus, the correct answer for Q17 should be “A”</p>	

18 Answer: **C**

Keywords in Questions	Similar words in Passage
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<p>Q18. a reason why customer satisfaction was not a high priority</p>	<p>This situation prevailed for some time, with demand still coming mainly from the domestic market and organisations striving to fill the 'supply gap'. Thus the most disturbing environmental influence on organisations of this time was the demand for products, which outstripped supply.</p> <p>Organisations of this period can be regarded as 'task-oriented', with effort being put into increasing production through more effective and efficient production processes.</p>
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After reading **paragraph C**, we can see that "demand for products, which outstripped supply" and "Organizations of this period can be regarded as task-oriented" refer to the meaning that "organizations can decide to produce, not rely on customer satisfaction"

Thus, **the correct answer** for **Q18** should be **"C"**

19 Answer: **C**

Keywords in Questions	Similar words in Passage
<p>Q19. a surplus of goods</p>	<p>In the neo-industrial age, people became more discriminating in the goods and services they wished to buy and, as technological advancements brought about increased productivity, supply overtook demand</p>

After reading **paragraph D**, we can see that "in the neo-industrial age, supply overtook demand", it means that there was a surplus of goods

"*A surplus of goods*" and "*supply overtook demand*" have the *same meaning* in this case.

Thus, **the correct answer** for **Q19** should be **"C"**

20 Answer: **B**

Keywords in Questions	Similar words in Passage

<p>Q20.an emphasis on production quantity.</p>	<p>... t h e demand for products, which outstripped supply.</p> <p>Organisations of this period can be regarded as ' task-oriented ', with effort being put into increasing production through more effective and efficient production processes</p>
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After reading **paragraph C**, we can see that:

“Demand for products outstripped supply” refers to *“quantity of products”*

“Emphasis on production quantity” and *“task-oriented”* have the *same meaning* in this case.

This characteristic in the industrial age.

Thus, **the correct answer** for **Q20** should be **“B”**

21 Answer: **A**

Keywords in Questions	Similar words in Passage
<p>Q21.the proximity of consumers to workplaces.</p>	<p>During this period, wealth was created in the context of a n agriculturally based society influenced mainly by local markets (both customer and labour) and factors outside people’s control, such as the weather</p>

After reading **paragraph A**, we can easily see that **only paragraph A** mentioned the **consumers and workplaces**, it refers to the characteristic in **agricultural age**.

Thus, **the correct answer** for **Q21** should be **“A”**

22 Answer: **C**

Keywords in Questions	Similar words in Passage
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<p>Q22. a focus on the quality of goods.</p>	<p>In the neo-industrial age , people became more discriminating in the goods and services they wished to buy</p> <p>In the neo-industrial age of western countries, the emphasis moved towards adding value to goods and services</p>
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After reading **paragraph D and E**, we can see that:

“*Focus on*” and “*emphasis*” have the *same meaning* in this case.

“people became more *discriminating in the goods and services they wished to buy*” and “*emphasis* moved towards *adding value to goods and services*” refer to the meaning that *all customers and suppliers focus on quality and value of products*

Thus, **the correct answer** for **Q22** should be “**C**”

23 Answer: **B**

Keywords in Questions	Similar words in Passage
<p>Q23. new products and new ways of working.</p>	<p>It was characterised by a series of inventions and innovations that reduced the number of people needed to work the land and, in turn, provided the means of production of hitherto rarely obtainable goods; for organisations, supplying these in ever increasing numbers became the aim.</p>

After reading **paragraph B**, we can see that:

“Series of *inventions and innovations*” and “provided the *means of production* of hitherto rarely *obtainable goods*” refer to development of *new products and new ways of working*.

This characteristic in the industrial age. Thus, **the correct answer** for **Q23** should be “**B**”

24 Answer: **temporary**

25 Answer: **home**

26 Answer: **factors**

Keywords in Questions	Similar words in Passage
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<p>Q26. Although predictions can be wrong, the speed of change is not in doubt, and business leaders need to understand the _____ that will be influential.</p>	<p>Consequently, it is crucial that organisational managers and decision makers are aware of, and able to analyse the factors which trigger organisational change.</p>
<p>After reading paragraph G, we can assume that the answer for Q26 may a noun. <i>“Business leaders”</i> and <i>“organizational managers”</i> & <i>“decision makers”</i> refer to the <i>same people</i> in this context. <i>“Understand”</i> and <i>“aware of”</i> and <i>“analyze”</i> have the <i>same meaning</i> in this case. From the question, we can see the answer for Q26 should be “factors” Thus, the correct answer for Q26 should be “factors”</p>	