

by www.kumonstudies.com

# READING PASSAGE 1

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

# **AIRPORTS ON WATER**

for map makers. The river builds them up, the sea wears River deltas are difficult places hectares is being created there. them down; their outlines are than these natural fluctuations. And the civil engineers are as speed and size. This is a bit of always changing. The changes in China's Pearl River delta, interested in performance as in the delta that they want to however, are more dramatic An island six kilometres long and with a total area of endure.

new airport, is 83% complete. Kok, the site of Hong Kong's giant dumper trucks The new island of Chek Lap rumbling across it will have finished their job by the middle of this year and the airport itself will be built at a similarly breakneck pace.

way, and thus hopes to avoid however, another new Asian island is sinking back into the sea. This is a 520-hectare island As Chek Lap Kok rises, built in Osaka Bay, Japan, that serves as the platform for the new Kansai airport. Chek Lap Kok was built in a different he same sinking fate.

The usual way to reclaim like placing a textbook on a wet sponge: the weight squeezes the water out, causing both water and sponge to settle lower. The different parts sink at different rates. So buildings, pipes, roads land is to pile sand rock on to the seabed. When the seabed oozes with mud, this is rather engineer them out. Kansai took first approach; Chek settlement is rarely even: and so on tend to buckle and crack. You can engineer around these problems, or you can Lap Kok is taking the second

site was shifted a further five alluvial silt and mud deposits. firm glacial deposit hundreds of Fishermen protested, and the consisted of 20 metres of soft The differences are both political and geological. Kansai was supposed to be built just one kilometre offshore, where the seabed is quite solid kilometres. That put it in metres) and above a seabed that Worse, below it was a not-verydeeper water (around metres thick.

recognised that settlement was inevitable. Sand was driven into builders Kansai

than two metres in diameter. metres of granite to add to the island's foundations. Because the heap of boulders does not fill the space perfectly, this 105m cubic metres of landfill. Most of the rock will become represents the This giant terminal is supported on 900 pillars. Each of them can be individually jacked up, allowing wedges to be added underneath. That is meant to keep the building level. But it before the landfill was piled on top, in an attempt to slow the process; but this has not been as effective as had been hoped. To the seabed to strengthen it cope with settlement, Kansai's

equivalent of

to be sunk.

construction workers. These

foundations

Conditions are different at Chek Lap Kok. There was the original little island of Chek Lap Kok and a smaller outcrop called Lam Chau. them, these two outcrops of hard, weathered granite make up a quarter of islands there was a layer of soft some land there to begin with, the new island's surface area. mud, 27 metres thick in places. Unfortunately, between could be a tricky task Between

According to Frans Uiterwijk, a Dutchman who is reclamation director, it would have been possible to leave this mud below the reclaimed land, and to deal with the resulting method. But the consortium project's settlement

airport's runways and its capping layer over the granite for utilities to dig trenches from the waters will also be platform. This makes it easier The sand dredged used to provide a two-metre Jo needed to taxiways. amount

> deeper waters. At the same time, sand was dredged from the waters and piled on top of the layer of stiff clay that the

massive dredging had laid bare. Nor was the sand the only thing used. The original granite island which had hills up to 120 metres high was drilled and

fleet of dredgers, which sucked up 150m cubic metres of clay

and mud and dumped it in At the

capable of carrying 150-tonne dump-trucks; and there has to f pile-driving is support building level. In all, 350m cubic metres moved. And much of it, like the several times before reaching its be a raised area for the 15,000 be placed above the site of the The completed island will be six to seven metres above sea final resting place. For example, there has to be a motorway granite is unyielding stuff. Most of the terminal buildings will existing island. Only a limited overloads, has to be moved foundations above softer areas. have of material will

blasted into boulders no bigger

70m cubic

provided

removed when the airport is are temporary; they will finished.

hat won the contract for the

for a more

island opted

aggressive approach. It assembled the worlds largest

A mat-like material called geotextile is being laid across with a formidable twelve brunt of a typhoon will be island of Lantau; the sea walls Gentler but more persistent bad weather - the downpours of the summer monsoon - is and sand layers. That will stop The airport, though, is here to stay. To protect it, the new coastline is being bolstered kilometres of sea defences. The deflected by the neighbouring should guard against the rest. also being taken into account the island to separate the rock particles from being washed into the rock voids, and so causing further settlement This island is being built never sand



## Questions 1-5

Classify the following statements as applying to A Chek Lap Kok airport only B Kansai airport only C Both airports

Write the appropriate letters A-C in boxes 1-5 on your answer sheet.

Answer C built on a man-made island

- having an area of over 1000 hectares
- built in a river delta 7
- built in the open sea n
- built by reclaiming land 4
- built using conventional methods of reclamation 2

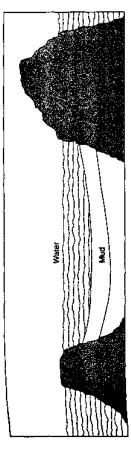
## Questions 6-9

**Complete the** labels on Diagram B below. Choose your answersfrom **the** box below the diagram and write them in boxes 6-9 on your answersheet.

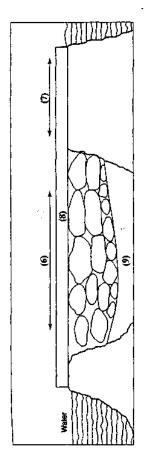
NB There are more words/phrases than spaces, so you will not use them all.

DIAGRAM A

Coses-section of the original area around Chek Lap Kokbeforework began



 $DIAGRAM\ B$  Cross-section of the same area at the time the article was written



runways and taxiways water granite pnu

stiff clay terminal building site

sand

## Questions 10-13

Complete the summary below.

Choose your answersfrom the box below the summary and write them in boxes 10-13 on your answersheet.

NB There are more words than spaces, so you will not use them all.

Answer
When the new Chek Lap Kok airport has been completed,
the raised area and the ... (Example) ... will be removed.'

motorway

The island will be partially protected from storms by ... (10)... and also by ... (11) ... Further settlement caused by ... (12) ... will be prevented by the use of ... (13)....

construction workerscoastlinedump-trucksgeotextileLantau Islandmotorwayrainfallrock and sandrock voidssea wallstyphoons

# READING PASSAGE 2

 $You should spend about 20 minutes on {\cal Q}uestions 14-27 which are based on Reading Passage 2 on the following pages.$ 

## Questions 14-18

Reading passage 2 has six paragraphs B-F from the list of headings below Choosethe most suitable headings for paragraphs B-F from the list of headings below. Write the appropriate numbers (i-ix) in boxes 14-18 on your answer sheet.

SB There are more headings than paragraphs, so you will not use them all.

## List of Headings

- Ottawa International Conference on Health Promotion
- ii Holistic approach to health
- iii The primary importance of environmental factors
- iv Healthy lifestyles approach to health
- V Changes in concepts of health in Western society
- vi Prevention of diseases and illness
- vii Ottawa Charter for Health Promotion
  - viii Definition of health in medical terms
    - ix Socio-ecological view of health

Example Answer Paragraph A \*

- 14 Paragraph B
- 15 Paragraph C
- 16 Paragraph D
- 17 Paragraph E
- 18 Paragraph F

# Changing our Understanding of Health

### ٥

The concept of health holds different meanings for different people and groups. These meanings of health have also changed over time. This change is no more evident than in Western society today, when notions of health and health promotion are being challenged and expanded in new ways.

### α

For much of recent Western history, health has been viewed in the physical sense only. That is, good health has been connected to the smooth mechanical operation of the body, while ill health has been attributed to a breakdown in this machine. Health in this sense has been defined as the absence of disease or illness and is seen in medical terms. According to this view, creating health for people means providing medical care to treat or prevent disease and illness. During this period, there was an emphasis on providing clean water, improved sanitation and housing.

## τ.

In the late 1940s the World Health Organisation challenged this physically and medically oriented view of health. They stated that 'health is a complete state of physical, mental and social well-being and is not merely the absence of disease' (WHO, 1946). Health and the person were seen more holistically (mind/body/spirit) and not just in physical terms.

## Ω

The 1970s was a time of focusing on the prevention of disease and illness by emphasising the importance of the lifestyle and behaviour of the individual. Specific behaviours which were seen to increase risk of disease, such as smoking, lack of fitness and unhealthy eating habits, were targeted. Creating health meant providing not only medical health care, but health promotion programs and policies which would help people maintain healthy behaviours and lifestyles. While this individualistic healthy lifestyles approach to health worked for some (the wealthy members of society), people experiencing boverty, unemployment, underemployment or little control over the conditions of their daily lives benefited little from this approach. This was largely because both the healthy lifestyles approach and the medical approach to health largely ignored the social and environmental conditions affecting the health of people.

## L

During 1980s and 1990s there has been a growing swing away from seeing lifestyle risks as the root cause of poor health. While lifestyle factors still remain important, health is being viewed also in terms of the social,

economic and environmental contexts in which people live. This broad approach to health is called the socio-ecological view of health. The broad socio-ecological view of health was endorsed at the first International Conference of Health Promotion held in 1986, Ottawa, Canada, where people from 38 countries agreed and declared that:

The fundamental conditions and resources for health are peace, shelter, education, food, a viable income, a stable eco-system, sustainable resources, social justice and equity. Improvement in health requires a secure foundation in these basic requirements. (WHO, 1986)

It is clear from this statement that the creation of health is about much more than encouraging healthy individual behaviours and lifestyles and providing appropriate medical care. Therefore, the creation of health must include addressing issues such as poverty, pollution, urbanisation, natural resource depletion, social alienation and poor working conditions. The social, economic and environmental contexts which contribute to the creation of health do not operate separately or independently of each other. Rather, they are interacting and interdependent, and it is the complex interrelationships between them which determine the conditions that promote health. A broad socio-ecological view of health suggests that the promotion of health must include a strong social, economic and environmental focus.

#### Ť

At the Ottawa Conference in 1986, a charter was developed which outlined new directions for health promotion based on the socio-ecological view of health. This charter, known as the Ottawa Charter for Health Promotion, remains as the backbone of health action today. In exploring the scope of health promotion it states that:

Good health is a major resource for social, economic and personal development and an important dimension of quality of life. Political, economic, social, cultural, environmental, behavioural and biological factors can all favour health or be harmful to it. (WHO, 1986)

The Ottawa Charter brings practical meaning and action to this broad notion of health promotion. It presents fundamental strategies and approaches in achieving health for all. The overall philosophy of health promotion which guides these fundamental strategies and approaches is one of 'enabling people to increase control over and to improve their health' (WHO, 1986).

## Questions 19-22

Using NO MORE THAN THREE WORDS from the passage, answer the following questions Write your answers in boxes 19-22 on your answer sheet.

- 9 In which year did the World Health Organisation define health in terms of mental, physical and social well-being?
- 20 Which members of society benefited most from the healthy lifestyles approach to
- 21 Name the three broad areas which relate to people's health, according to the socioecological view of health.
- 22 During which decade were lifestyle risks seen as the major contributors to poor health?

## Questions23-27

Do thefollowing statements agree with the information in Reading Passage 2? In boxes 23-27 on your answer sheet write

YES if the statement agrees with the information NO if the statement contradicts the information NOT GIVEN if there is no information on this in the passsage

- 23 Doctors have been instrumental in improving living standards in Western society.
- 24 The approach to health during the 1970s included the introduction of health awareness programs.
- The socio-ecological view of health recognises that lifestyle habits and the provision of adequate health care are critical factors governing health.
- 26 The principles of the Ottawa Charter are considered to be out of date in the 1990s.
- 27 In recent years a number of additional countries have subscribed to the Ottawa Charter

## Reading passage 3

You should spend about 20 minutes on Questions 28-40 which are based on Reading Passage 3  $\,$ 

helo

# CHILDREN'S THINKING

One of the most eminent of psychologists, ClarkHull, claimedthat the essence of reasoning lies in the putting together of two 'behaviour segments' in some novel way, never actually performed before, so as to

reach a goal.

Two followers of Clark Hull, Howard and Tracey Kendler, devised a test for children that was explicitly based on Clark Hull's principles. The children were given the task of learning to operate a machine so as to get a toy. In order to succeed they had to go through a two-stage sequence. The children were trained on each stage separately. The stages consisted merely of pressing the correct one of two buttons to get a marble; and of inserting the marble into a small hole to release the toy.

a small hole to release the toy.

The Kendlers found that the children could learn the separate bits readily enough. Given the task of getting a marble by pressing the button they could get the marble; given the task of getting a toy when a marble was handed to them, they could use the marble. (All they had to do was put it in a hole.) But they did not for the most part 'integrate', to use the Kendlers' terminology. They did not press the button to get the marble and then proceed without further help to use the marble to get the toy. So the Kendlers concluded that they were incapable of deductive reasoning

The mystery at first appears to deepen when we learn, from another psychologist, Michael Cole, and his colleagues, that adults in an African culture apparently cannot do the Kendlers' task either. But it lessens, on the other hand, when we learn that a task was devised which was strictly analogous to the Kendlers' one but much easier for the African males to handle.

Instead of the button-pressing machine, Cole used a locked box and two differently coloured match-boxes, one of which contained a key that one of which contained a key that is are still two behaviour segments—

yope the right match-box to get the key and use the key to open the box!—so the task seems formally to be the same. But psychologically it is quite different, Now the subject is dealing not with a strange machine but with familiar meaningful objects; and it is clear to fin him what he is meant to do. It then turns out that the difficulty of integration is greatly reduced,

Recent work by Simon Hewson is of great interest here for it shows that, for young children, too, the difficulty lies not in the inferential processes which the task demands, but in certain perplexing features of the apparatus and the procedure. When these are changed in ways which do not at all affect the inferential nature of the

problem, then five-year-old children solve the problem as well as college students did in the Kendlers' own experiments.

Hewson made two crucial changes. First, he replaced the button-pressing mechanism in the side panels by drawers in these panels which the child could open and shut. This took away the mystery from the first stage of training. Then he helped the child to understand that there was no 'magic' about the specific marble which, during the second stage of training, the experimenter handed to him so that he could pop it in the hole and get the

A child understands nothing, after all, about how a marble put into a hole can open a little door. How is he to know that any other marble of similar

size will do just as well? Yet he must assume that if he is to solve the problem. Hewson made the functional equivalence of different marbles clear by playing a 'swapping game' with the children.

The two modifications together C The two modifications together C 30 per cent to 90 per cent for five-year- M of olds and from 35 per cent to 72.5 per m cent for four-year-olds. For three-year- olds, for reasons that are still in need of N clarification, no improvement—rather a slight drop in performance - resulted 28 from the change.

We may conclude, then, that children experience very real difficulty when faced with the Kendler apparatus; but this difficulty cannot be taken as proof that they are incapable of deductive reasoning.

## Questions 28-35

Classify the following descriptions as a referring

r Clark Hull CH

Howard and Tracy Kendler HTK Micheal Cole and colleagues MC

Write the appropriate letters in boxes 28-35 on your answer sheet.

- NB You may use any answer more than once.
- 28 is cited as famous in the field of psychology.
- demonstrated that the two-stage experiment involving button-pressing and inserting a marble into a hole poses problems for certain adults as well as children.
- 30...... devised an experiment that investigated deductive reasoning without the use of any marbles.
- 31....... appears to have proved that a change in the apparatus dramatically improves the performance of children of certain ages.
- 32......... used a machine to measure inductive reasoning that replaced button-pressing with drawer-opening.
- 33...... experimented with things that the subjects might have been expected to encounter in everyday life, rather than with a machine.
- 34...... compared the performance of five-year-olds with college students, using the same apparatus with both sets of subjects.
- 35...... is cited as having demonstrated that earlier experiments into children's ability to reason deductively may have led to the wrong conclusions.

## Questions 36-40

Do the following statements agree with the information given in Reading Passage 3? In boxes 36-40 on your answer sheet write

YES if the statement agrees with the information NO if the statement contradicts the information NOT GIVEN if there is no information on this in the passage

36 Howard and Tracey Kendler studied under Clark Hull.

37 The Kendlers trained their subjects separately in the two stages of their experiment, but not in how to integrate the two actions.

38 Michael Cole and his colleagues demonstrated that adult performance on inductive reasoning tasks depends on features of the apparatus and procedure.

39 All Hewson's experiments used marbles of the same size.

40 Hewson's modifications resulted in a higher success rate for children of all ages.

## WRITING TASK 1

V should spend about 20 minutes on this task.

The table below shows the consumer durables (telephone, refrigerator, etc.) owned in Britain from 1972 to 1983.

Write a report for a university lecturer describing the information shown below.

You should write at least 150 words.

1983		64	86	18		94	80	S.	11
1982		09	26		95	63	62	4	9/
1981		59	97		94	93	78	4	75
1979		55	97		93	92	74	3	29
1978		52	96		92	91	75	3	09
1976		48	96		92	88	71		54
1974		43	95		68	81	89		50
1972		3?	93		87	73	99		42
Consumer durables	Percentage of households with:	central heating	television	video	vacuum cleaner	refrigerator	washing machine	dishwasher	telephone

## Answer key

#### LISTENING

Each question correctly answered scores 1 mark. CORRECT SPELLING NEEDED IN ALL ANSWERS. (Where alternative spellings are accepted, these are stated in the Key.)

#### Section 1, Questions 1-10 Section 3, Questions 21-30 1 Black 21 (on) Friday 2085 Biology 57/fifty-seven (books) 43/forty-three (books) Wed/Wednesday *NOT* the day after 9456 1309 23 24 2020BD July B D in any order (she) record(s) them/lectures // she use(s) a (tape/cassette) recorder/recording skimming // (he) skims (books)/(a book) //. skim (the) book first // skim reading \$25/twenty-five dollars (refundable) next week // in a week // in one week // the (The) French Revolution Why study history(?) animal language // (the) language of animals **NOT** language 30

#### Section 2, Questions 11-20

route book
900/nine hundred miles NOT 900
North/N Africa NOT Africa
A
C
₿Ì
C } in any order
EJ
B in either order
D f in etther order

#### Section 4, Questions 31-40

	· ~
31	4/four-month certificate/cert (course)
32	(current) employment // job
33	1/one-year diploma //ACCEPT dyploma
34	none // no (prior) qualifications/quals
35	6/six-month certificate/cert (course)
36	C
37	F
38	В
39	G
40	D

#### If you score.

n you score				
0-18	19-25	26-40		
you are highly unlikely to get an acceptable score under examination conditions and we recommend that you spend a lot of time improving your English before you take IELTS	you may get an acceptable score under examination conditions but we recommend that you think about having more practice or lessons before you take IELTS	you are likely to get an acceptable score under examination conditions but remember that different institutions will find different scores acceptable		

#### ACADEMIC READING

 $Each \, question \, correctly \, answered scores \, l \, mark.$ 

Rec	iding Passage 1, Questions 1-13	20	(the) wealthy (members) (of) (society)
	0 0 2	21	social, economic, environmental
1	A	22	(the) 1970s
2	A	23	NOT GIVEN
3	В	24	YES
4	C	25	NO
5	В	26	NO
6	runways and taxiways	27	NOT GIVEN
7	terminal building site		
8	sand	$R_{o}$	ading Passage 3, Questions 28-40
9	stiff clay	nec	ading I disage 3, Questions 20-40
10	Lantau Island sea walls in either order	28	CH
11	sea walls \in enner order	29	MC
12	rainfall	30	MC
13	geotextile	31	SH
		32	SH
Red	ading Passage 2, Questions 14-27	33	MC
		34	HTK
14	viii	35	SH
15	ii	36	NOT GIVEN
16	iv	37	YES
17	ix	38	YES
18	vii	39	YES
19	1946	40	NO

#### If you score...

0-13	14-22	23-40
you are highly unlikely to get	you may get an acceptable	you are likely to get an
an acceptable score under	score under examination	acceptable score under
examination conditions and we	conditions but we recommend	examination conditions but
recommend that you spend a	that you think about having	remember that different
lot of time improving your	more practice or lessons before	institutions will find different
English before you take IELTS	you take IELTS	scores acceptable