#### UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS

**International General Certificate of Secondary Education** 

# MARK SCHEME for the October/November 2011 question paper for the guidance of teachers

# 0510 ENGLISH AS A SECOND LANGUAGE

0510/42

Paper 4 (Listening – Extended), maximum raw mark 36

This mark scheme is published as an aid to teachers and candidates, to indicate the requirements of the examination. It shows the basis on which Examiners were instructed to award marks. It does not indicate the details of the discussions that took place at an Examiners' meeting before marking began, which would have considered the acceptability of alternative answers.

Mark schemes must be read in conjunction with the question papers and the report on the examination.

• Cambridge will not enter into discussions or correspondence in connection with these mark schemes.

Cambridge is publishing the mark schemes for the October/November 2011 question papers for most IGCSE, GCE Advanced Level and Advanced Subsidiary Level syllabuses and some Ordinary Level syllabuses.

	.0002	010.00.7.	00.0		
Qι	uestions 1–6				
1	juice AND biscuits		BOTH REQUIRED (IN EITHER ORDER)		[1]
2	gold (watch ) AND black strap		BOTH REQUIRED (IN EITHER ORDER)		[1]
3	(by) email (needs to) mark it tonight		1 MARK FOR EACH DETAIL		[2]
4	wear something bright stay near car keep phone <u>on</u>		(ANY TWO FOR 1 MARK)		[1]
5	10% off / 10% discount / vouche	er for 10%	6 off		[1]
6	buy one (meal) get one free saving (money) for Dad's birthd	a <u>v</u>	1 MARK FOR EACH DETAIL		[2]
				[Total	l: 8]
Qι	estion 7: Island Caretaker				
Nu	ımber of job applicants:	THIRT	Y FOUR THOUSAND(S) / 34,000		[1]
Ne	cessary experience:	•	good with PEOPLE, relevant academic lof ADVENTURE and energy	backgrou	und, [1]
Аp	pplication process:		ed curriculum vitae and SIXTY SECOND VID ty and skills	EO to sl	how [1]
Fir	nal stage:	SIXTE	EN people INTERVIEW(ED) on Whitsunday Is	slands	[1]
Ac	tivities tested:		ing, snorkelling, SAILING, diving, cooking and Glocal food	I TASTIN	NG / [1]
Isl	and caretaker job description:	explora SEA / 0	tion of LAND(S) / ISLAND(S) and under th	e WATE	ER / [1]
Fu	ture plans:	to WRI	TE a book and PRESENT a television docum	entary	[1]

Mark Scheme: Teachers' version

IGCSE – October/November 2011

Syllabus

0510

Paper

42

Page 2

[Total: 7]

Question 8: Abu Dhabi Grand Prix  First ever race staged: Sunday, FIRST (of) NOVEMBER 2009 / NOVEMBER 1st 2009 [1]  Position in timetable: LAST race in season [1]  Audience: at the RACE / TRACK / CIRCUIT, on television and INTERNET IN EITHER ORDER  Covered seating capacity: FIFTY THOUSAND (SPECTATORS) / 50 000 [1]  Pit building: 40 garages where cars are SERVICE(D) and REFUEL(LED) [1]  NEITHER ORDER  Media centre: holds up to six hundred JOURNALIST(S) / REPORTER(S) [1]  South grandstand: view of HARBOUR and yacht club [1]  Additional facilities: driving SCHOOL, karting centre and BUSINESS park [1]  Day-night race: starts in day, ends at night under FLOODLIGHTS [1]  [Total: 9]  Question 9: Water on the moon  (a) no water / (simply) dust / (bone) dry AND found water ingredients / areas of the lunar surface may be saturated with water / found water molecules attached to other molecules / found hydrogen IN EITHER ORDER [1]  (b) moon mapping / making maps of the moon [1]  (c) hydrogen south pole 1 MARK FOR EACH DETAIL [2]  (d) no need to take water (supply) / water supply on the moon settlements will have water / lunar outposts will have water [1]			
Position in timetable: LAST race in season [1]  Audience: at the RACE / TRACK / CIRCUIT, on television and INTERNET [1] IN EITHER ORDER  Covered seating capacity: FIFTY THOUSAND (SPECTATORS) / 50 000 [1]  Pit building: 40 garages where cars are SERVICE(D) and REFUEL(LED) [1] IN EITHER ORDER  Media centre: holds up to six hundred JOURNALIST(S) / REPORTER(S) [1]  South grandstand: view of HARBOUR and yacht club [1]  Additional facilities: driving SCHOOL, karting centre and BUSINESS park [1]  Day-night race: starts in day, ends at night under FLOODLIGHTS [1]  Question 9: Water on the moon  (a) no water / (simply) dust / (bone) dry AND found water ingredients / areas of the lunar surface may be saturated with water / found water molecules attached to other molecules / found hydrogen IN EITHER ORDER [1]  (b) moon mapping / making maps of the moon [1]  (c) hydrogen south pole 1 MARK FOR EACH DETAIL [2]  (d) no need to take water (supply) / water supply on the moon settlements will have water / lunar outposts will have water [1]	Question 8: Abu Dhabi Grai	nd Prix	
Audience: at the RACE / TRACK / CIRCUIT, on television and INTERNET [1] IN EITHER ORDER  Covered seating capacity: FIFTY THOUSAND (SPECTATORS) / 50 000 [1]  Pit building: 40 garages where cars are SERVICE(D) and REFUEL(LED) [1] IN EITHER ORDER  Media centre: holds up to six hundred JOURNALIST(S) / REPORTER(S) [1]  South grandstand: view of HARBOUR and yacht club [1]  Additional facilities: driving SCHOOL, karting centre and BUSINESS park [1]  Day-night race: starts in day, ends at night under FLOODLIGHTS [1]  [Total: 9]  Question 9: Water on the moon  (a) no water / (simply) dust / (bone) dry AND found water ingredients / areas of the lunar surface may be saturated with water / found water molecules attached to other molecules / found hydrogen IN EITHER ORDER [1]  (b) moon mapping / making maps of the moon [1]  (c) hydrogen south pole 1 MARK FOR EACH DETAIL [2]  (d) no need to take water (supply) / water supply on the moon settlements will have water / lunar outposts will have water [1]	First ever race staged:	Sunday, FIRST (of) NOVEMBER 2009 / NOVEMBER 1st 2009	[1]
IN EITHER ORDER  Covered seating capacity: FIFTY THOUSAND (SPECTATORS) / 50 000 [1]  Pit building: 40 garages where cars are SERVICE(D) and REFUEL(LED) [1] IN EITHER ORDER  Media centre: holds up to six hundred JOURNALIST(S) / REPORTER(S) [1]  South grandstand: view of HARBOUR and yacht club [1]  Additional facilities: driving SCHOOL, karting centre and BUSINESS park [1]  Day-night race: starts in day, ends at night under FLOODLIGHTS [1]  [Total: 9]  Question 9: Water on the moon  (a) no water / (simply) dust / (bone) dry     AND found water ingredients / areas of the lunar surface may be saturated with water / found water molecules attached to other molecules / found hydrogen IN EITHER ORDER [1]  (b) moon mapping / making maps of the moon [1]  (c) hydrogen south pole 1 MARK FOR EACH DETAIL [2]  (d) no need to take water (supply) / water supply on the moon settlements will have water / lunar outposts will have water [1]	Position in timetable:	LAST race in season	[1]
Pit building:  40 garages where cars are SERVICE(D) and REFUEL(LED) IN EITHER ORDER  Media centre: holds up to six hundred JOURNALIST(S) / REPORTER(S) [1]  South grandstand: view of HARBOUR and yacht club [1] Additional facilities: driving SCHOOL, karting centre and BUSINESS park [1]  Day-night race: starts in day, ends at night under FLOODLIGHTS [1]  [Total: 9]  Question 9: Water on the moon  (a) no water / (simply) dust / (bone) dry AND found water ingredients / areas of the lunar surface may be saturated with water / found water molecules attached to other molecules / found hydrogen IN EITHER ORDER [1]  (b) moon mapping / making maps of the moon [1]  (c) hydrogen south pole 1 MARK FOR EACH DETAIL [2]  (d) no need to take water (supply) / water supply on the moon settlements will have water / lunar outposts will have water [1]	Audience:		[1]
IN ĒITHĒR ORDER  Media centre: holds up to six hundred JOURNALIST(S) / REPORTER(S) [1]  South grandstand: view of HARBOUR and yacht club [1]  Additional facilities: driving SCHOOL, karting centre and BUSINESS park [1]  Day-night race: starts in day, ends at night under FLOODLIGHTS [1]  [Total: 9]  Question 9: Water on the moon  (a) no water / (simply) dust / (bone) dry AND found water ingredients / areas of the lunar surface may be saturated with water / found water molecules attached to other molecules / found hydrogen IN EITHER ORDER [1]  (b) moon mapping / making maps of the moon  [1]  (c) hydrogen south pole 1 MARK FOR EACH DETAIL [2]  (d) no need to take water (supply) / water supply on the moon settlements will have water / lunar outposts will have water [1]	Covered seating capacity:	FIFTY THOUSAND (SPECTATORS) / 50 000	[1]
South grandstand: view of HARBOUR and yacht club [1]  Additional facilities: driving SCHOOL, karting centre and BUSINESS park [1]  Day-night race: starts in day, ends at night under FLOODLIGHTS [1]  [Total: 9]  Question 9: Water on the moon  (a) no water / (simply) dust / (bone) dry  AND found water ingredients / areas of the lunar surface may be saturated with water / found water molecules attached to other molecules / found hydrogen IN EITHER ORDER [1]  (b) moon mapping / making maps of the moon [1]  (c) hydrogen south pole 1 MARK FOR EACH DETAIL [2]  (d) no need to take water (supply) / water supply on the moon settlements will have water / lunar outposts will have water [1]	Pit building:		[1]
Additional facilities: driving SCHOOL, karting centre and BUSINESS park [1]  Day-night race: starts in day, ends at night under FLOODLIGHTS [1]  [Total: 9]  Question 9: Water on the moon  (a) no water / (simply) dust / (bone) dry    AND found water ingredients / areas of the lunar surface may be saturated with water / found water molecules attached to other molecules / found hydrogen IN EITHER ORDER [1]  (b) moon mapping / making maps of the moon [1]  (c) hydrogen south pole 1 MARK FOR EACH DETAIL [2]  (d) no need to take water (supply) / water supply on the moon settlements will have water / lunar outposts will have water [1]	Media centre:	holds up to six hundred JOURNALIST(S) / REPORTER(S)	[1]
Day-night race: starts in day, ends at night under FLOODLIGHTS [1]  [Total: 9]  Question 9: Water on the moon  (a) no water / (simply) dust / (bone) dry    AND found water ingredients / areas of the lunar surface may be saturated with water / found water molecules attached to other molecules / found hydrogen IN EITHER ORDER [1]  (b) moon mapping / making maps of the moon [1]  (c) hydrogen south pole 1 MARK FOR EACH DETAIL [2]  (d) no need to take water (supply) / water supply on the moon settlements will have water / lunar outposts will have water [1]	South grandstand:	view of HARBOUR and yacht club	[1]
[Total: 9]  Question 9: Water on the moon  (a) no water / (simply) dust / (bone) dry    AND found water ingredients / areas of the lunar surface may be saturated with water / found water molecules attached to other molecules / found hydrogen IN EITHER ORDER [1]  (b) moon mapping / making maps of the moon [1]  (c) hydrogen south pole 1 MARK FOR EACH DETAIL [2]  (d) no need to take water (supply) / water supply on the moon settlements will have water / lunar outposts will have water [1]	Additional facilities:	driving SCHOOL, karting centre and BUSINESS park	[1]
Question 9: Water on the moon  (a) no water / (simply) dust / (bone) dry    AND found water ingredients / areas of the lunar surface may be saturated with water / found water molecules attached to other molecules / found hydrogen IN EITHER ORDER [1]  (b) moon mapping / making maps of the moon [1]  (c) hydrogen south pole 1 MARK FOR EACH DETAIL [2]  (d) no need to take water (supply) / water supply on the moon settlements will have water / lunar outposts will have water [1]	Day-night race:	starts in day, ends at night under FLOODLIGHTS	[1]
<ul> <li>(a) no water / (simply) dust / (bone) dry     AND found water ingredients / areas of the lunar surface may be saturated with water / found water molecules attached to other molecules / found hydrogen IN EITHER ORDER [1]</li> <li>(b) moon mapping / making maps of the moon [1]</li> <li>(c) hydrogen south pole 1 MARK FOR EACH DETAIL [2]</li> <li>(d) no need to take water (supply) / water supply on the moon settlements will have water / lunar outposts will have water [1]</li> </ul>		[Tot	al: 9]
AND found water ingredients / areas of the lunar surface may be saturated with water / found water molecules attached to other molecules / found hydrogen IN EITHER ORDER [1]  (b) moon mapping / making maps of the moon [1]  (c) hydrogen south pole 1 MARK FOR EACH DETAIL [2]  (d) no need to take water (supply) / water supply on the moon settlements will have water / lunar outposts will have water [1]	Question 9: Water on the m	oon	
<ul> <li>(c) hydrogen south pole 1 MARK FOR EACH DETAIL [2]</li> <li>(d) no need to take water (supply) / water supply on the moon settlements will have water / lunar outposts will have water [1]</li> </ul>	AND found water ing	redients / areas of the lunar surface may be saturated with water / f	
south pole 1 MARK FOR EACH DETAIL [2]  (d) no need to take water (supply) / water supply on the moon settlements will have water / lunar outposts will have water [1]	(b) moon mapping / mak	king maps of the moon	[1]
settlements will have water / lunar outposts will have water [1]	. , , ,	1 MARK FOR EACH DETAIL	[2]
(e) crash into crater / to see if water in crater [1]			[1]
(-)	(e) crash into crater / to	see if water in crater	[1]
[Total: 6]		[Tot	al: 6]

Mark Scheme: Teachers' version

IGCSE – October/November 2011

Syllabus

0510

Paper

42

Page 3

Page 4	Mark Scheme: Teachers' version	Syllabus	Paper
	IGCSE – October/November 2011	0510	42

# **Question 10: Underwater car**

(a)	James Bond / James Bond film / James Bond driving car underwater	[1]
(b)	30 years / 3 decades	[1]
(c)	heavy / weight	[1]
(d)	two motors / watertight engine / (engine) resistant to water pressure / car box ANY ONE FROM FOUR	dy design [1]
(e)	air from tank / compress(ed) air	[1]
(f)	doors could get stuck / (passengers) can release (themselves) in an emergency	[1]
		[Total: 6]

Page 5	Mark Scheme: Teachers' version	Syllabus	Paper
	IGCSE – October/November 2011	0510	42

#### **TAPESCRIPT**

# IGCSE English as a Second Language Listening Extended

#### November 2011

# TRACK 1

R1 University of Cambridge International Examinations
International General Certificate of Secondary Education

November examination session 2011

English as a Second Language Extended tier – Listening Comprehension

Welcome to the exam.

In a moment, your teacher is going to give out the question papers. When you get your paper, fill in your name, Centre number and candidate number on the front page. Do not talk to anyone during the test.

If you would like the recording to be louder or quieter, tell your teacher NOW. The recording will not be stopped while you are doing the test.

Teacher: please give out the question papers, and when all the candidates are ready to start the test, please turn the recording back on.

[BLEEP]

Page 6	Mark Scheme: Teachers' version	Syllabus	Paper
	IGCSE – October/November 2011	0510	42

Now you are all ready, here is the test.

Look at Questions 1 to 6. For each question you will hear the situation described as it is on your exam paper. You will hear each item twice.

Pause 00'05"

#### R1 Questions 1-6

For Questions 1-6 you will hear a series of short sentences. Answer each question on the line provided. Your answers should be as brief as possible. You will hear each item twice.

# R1 Question 1 What refreshments must the home team supply?

(Answerphone message)

V1 \*There's a table tennis match on Tuesday. Can you and your brother play, please? Also, can you bring some juice and biscuits? We're playing at home so we all need to supply refreshments for the visiting team. Ring me back if you need transport: 0777987987. \*\*

Pause 00'10" Repeat from \* to \*\* Pause 00'05"

#### R1 Question 2 What does the lost watch look like? Give TWO details.

- V1 \*Hello, is that the swimming pool reception desk? I was in your building about two hours ago. I've lost my watch and wonder if I left it there?
- V2 No, I'm sorry. No watch has been handed in as lost property today. Give me a description of it.
- V1 It's gold and has a black strap.\*\*

Pause 00'10" Repeat from \* to \*\* Pause 00'05"

# R1 Question 3 How would the teacher prefer to receive Jalil's essay and why?

- V1 \*Jalil, where is your essay please?
- V2 Oh dear it's still on my desk at home! I can email it to you tonight or I can bring it in tomorrow for you to mark.
- V1 No, email it to me please so I can mark it tonight. Oh, and don't forget to bring your text book to the lesson tomorrow.\*\*

Pause 00'10" Repeat from \* to \*\* Pause 00'05"

Page 7	Mark Scheme: Teachers' version	Syllabus	Paper
	IGCSE – October/November 2011	0510	42

#### R1 Question 4 What is mum's advice? Give TWO details.

- V1 \*Mum, I am going to be late for tea. The car is broken down. We are waiting for the repair truck to come and help us.
- V2 Oh dear, do wear something bright, stay near the car and keep your phone on, it's getting dark.
- V1 Don't worry, I know. Here is the repair van now, I can see the flashing yellow light on top. \*\*

Pause 00'10" Repeat from \* to \*\* Pause 00'05"

#### R1 Question 5 Which special deal do the friends plan to use at the sales?

- V1 \*Let's go to the sales in the shopping mall at the weekend. There'll be bargains and I need something to wear for the end of term party.
- V2 I've got a voucher too for an extra 10% off the sale price we can use that! \*\*

Pause 00'10" Repeat from \* to \*\* Pause 00'05"

### R1 Question 6 What is the meal offer and why can't Fin go this time?

- V1 \*Fin, we are organising a meal for the whole class at that new restaurant opposite the sports club. Their opening offer is "Buy one meal, get one free".
- V2 That would be lovely but I'm saving up for something special for my dad's birthday. Sorry, but I'd love to come next time you go there. \*\*

Pause 00'10" Repeat from \* to \*\* Pause 00'05"

R1 That is the last of Questions 1 to 6. In a moment you will hear Question 7. Now look at the questions for this part of the exam.

Pause 00'20"

Page 8	Mark Scheme: Teachers' version	Syllabus	Paper
	IGCSE – October/November 2011	0510	42

- R1 Question 7 Listen to the following interview with an island caretaker, and then complete the details below. You will hear the interview twice.
- V1 \*Hello and welcome to our "Career Profile". Today we are talking to Ben Southall, a man who has the best job in the world. Ben, what exactly is your job?
- V2 I look after islands I am an island caretaker.
- V1 Don't islands look after themselves?
- V2 Yes, but my job is to look after the Great Barrier Reef Islands off Queensland, Australia, with the purpose of promoting them and their wildlife to the world by writing a fortnightly report in the form of a blog.
- V1 I don't think I've ever heard of those islands.
- V2 Well, now at least you know where they are!
- V1 Were there many applications for your job?
- V2 About 34,000 people from all over the world applied for it.
- V1 Oh, I see. What qualifications did you need in order to be selected?
- V2 The employers were looking for a good all-rounder. That means someone who is good at sports, good with people, has a relevant academic interest and background and has a sense of adventure and energy.
- V1 Did you just send in your curriculum vitae?
- V2 Yes, but each applicant also had to submit a 60-second video demonstrating his or her creativity and specific skills. I applied in January 2009, and 50 people were shortlisted for interview. 16 of us were eventually sent to Queensland for the final selection process in May 2009.
- V1 So you had an interview on your islands?
- V2 Yes, the interviews took place on the Whitsunday Islands and all of us had to swim, snorkel, sail and dive and even to cook and taste local cuisine...
- V1 Eat local food why would that be part of the interview? Oh... did you have to eat bugs and other insects?
- V2 Yes! It was all televised, you know. Anyway, I got the job and now I am spending 6 months exploring, promoting and writing blogs about the islands. A wetsuit and flippers have become my new work uniform.
- V1 What was your previous job?
- V2 Which one? I'm 34 so I have had a few jobs already. Most recently I was a fundraiser. However, I studied marine biology at university.
- V1 Well good luck with the island caretaker job. We can all follow your explorations, can't we?

Page 9	Mark Scheme: Teachers' version	Syllabus	Paper
	IGCSE – October/November 2011	0510	42

- V2 Yes, I am going to immerse myself in the life of these islands both on land and under the water. I already love to hear the cockatoos squawking in the pine trees and to spot humpback whales in the sea. Keep checking my "Island Caretaker" blog for details and watch my progress on "You Tube" as I explore the Great Barrier Reef Islands.
- V1 And what plans do you have for the future?
- V2 I am hoping to write a book and present a television documentary about the Barrier Reef Islands.
- V1 Good luck! \*\*

Pause 00'30"

R1 Now you will hear the interview again.

Repeat from \* to \*\* Pause 00'30"

R1 That is the end of Question 7. In a moment you will hear Question 8. Now look at the questions for this part of the exam.

Pause 00'25"

Page 10	Mark Scheme: Teachers' version	Syllabus	Paper
	IGCSE – October/November 2011	0510	42

- R1 Question 8 Listen to the following interview about a grand prix car race, and then complete the following details. You will hear the interview twice.
- V1 \*Hello and welcome to "Sports Weekly" from Abu Dhabi. Today we're going to look at Formula One motor racing and its profile here in the Middle East. Driver, Jai Prasad is here to talk to us. Jai, when did motor racing in Abu Dhabi start?
- V2 The first ever grand prix in Abu Dhabi took place on Sunday 1<sup>st</sup> November 2009.
- V1 Formula One fans and even the drivers themselves had been waiting for this race for a long time, hadn't they?
- V2 Yes, the Abu Dhabi Grand Prix was timetabled as the last race of the season, and thousands of fans flocked here to the track to watch the race live. At the same time millions and millions of people watched us on TV and the internet all round the world.
- V1 What wonderful publicity for your country.
- V2 Suddenly everyone knew about the United Arab Emirates and Abu Dhabi itself. It certainly raised our profile.
- V1 Does your track go through the streets like in Monte Carlo and Singapore?
- V2 No, the track is purpose-built. The whole track is 5.55 km long. 50,000 spectators can be seated in grandstands along its course; all seats are covered against the weather that's unique for grand prix spectator seating.
- V1 Can you talk us through a quick tour of the track please?
- V2 Certainly. The main entrance brings visitors directly into the heart of the circuit at the main grandstand, which can seat 7,000. Opposite is the Pit building, an area at the side of the track where racing cars are serviced and refuelled. There are 40 garages here for the racing teams and their officials. The team buildings and the medical centre are close by, too.
- V1 What about television coverage?
- V2 The media centre is the next building along the track from here up to 600 journalists can broadcast to the world at one time. Then comes the west grandstand and a run-off lane for cars which fail to make the tight turn located directly underneath the stand.
- V1 And then?
- V2 From the south grandstand you look out over the harbour and the yacht club. There is also a driving school, a karting centre and a business park on this part of the site.
- V1 So this was all specifically built for the Abu Dhabi Grand Prix?
- V2 Yes, and it worked very well. The whole world watched as the first "day-night" race in history took place here.
- V1 What do you mean by "day-night"? What type of race is that?
- V2 Simply that. The race started in the day and finished under floodlights as night descended.

Page 11	Mark Scheme: Teachers' version	Syllabus	Paper
	IGCSE – October/November 2011	0510	42

- V1 Oh, of course other grand prix races take place in daylight, don't they?
- V2 Except for Singapore which is run entirely at night because of high temperatures and prime-time TV viewing across the world time zones.
- V1 So is Abu Dhabi the only grand prix circuit in the Middle East?
- V2 No, the Bahrain International Circuit staged its 6<sup>th</sup> grand prix in April 2009 and is well-known worldwide.
- V1 And now Abu Dhabi is too?
- V2 Yes, throughout the race it was our location, Abu Dhabi, which stole the show. Now the whole world knows where we are and how good it is to be here. \*\*

Pause 00'30"

R1 Now you will hear the interview again.

Repeat from \* to \*\* Pause 00'30"

R1 That is the end of Question 8. In a moment you will hear Question 9. Now look at the questions for this part of the exam.

Pause 00'35"

Page 12	Mark Scheme: Teachers' version	Syllabus	Paper
	IGCSE – October/November 2011	0510	42

- R1 Question 9 Listen to the following interview about the search for water on the moon, and then answer the questions below. You will hear the interview twice.
- V1 \*For a long time scientists have thought that the moon is simply made of dust, but now this theory has been challenged. Here is Kerry Than to tell us more.
- V2 Yes, man has landed on the moon in the past and carried out experiments, but no signs of water, or indeed life, have been found. The theory has always been that the moon is bone dry just dust.
- V1 But now?
- V2 Probes, which are tiny, unmanned spacecraft that carry out scientific experiments, have found that large areas of the lunar surface may possibly be saturated with water.
- V1 Water? Are you sure?
- V2 Well, the ingredients which make water, rather than the liquid itself, have been found there.
- V1 Oh, so there aren't any lakes or seas as far as you know?
- V2 No, but three satellites, two from the World Space Agency and one from India, detected the presence of some of the elements of water while making maps of the moon.
- V1 So, we will soon be able to go for pool parties and swimming holidays on the moon?
- V2 No, not quite. The water molecules which have been detected are fixed to other molecules. They aren't liquid water in the form we know it.
- V1 Oh, so how much water is there on the moon, do you think?
- V2 We estimate that about a litre could be made from each cubic metre of lunar soil.
- V1 There have been some suggestions of water on the moon for a while, haven't there?
- V2 Indeed, a probe recently found hydrogen at the South Pole of the moon. Hydrogen usually signifies the presence of water.
- V1 And will astronauts or even future lunar communities be able to make these odd molecules into water easily enough?
- V2 Yes, no problem.
- V1 So if there is a ready supply of water on the moon, how does that help us?
- V2 Well, it's obvious. Future lunar outposts or settlements will have ready water supplies; we won't have to take it with us!
- V1 Are you doing any further experiments about the water on the moon?
- V2 Yes, this time we have used another probe and made it crash into a crater. We thought the crater might contain water but we haven't analysed the results yet.

Page 13	Mark Scheme: Teachers' version	Syllabus	Paper
	IGCSE – October/November 2011	0510	42

V1 Then we will await your news of exciting developments about water on the moon. \*\*

Pause 00'30"

R1 Now you will hear the interview again.

Repeat from \* to \*\* Pause 00'30"

R1 That is the end of Question 9. In a moment you will hear Question 10. Now look at the questions for this part of the exam.

Pause 00'35"

Page 14	Mark Scheme: Teachers' version	Syllabus	Paper
	IGCSE – October/November 2011	0510	42

- R1 Question 10 Listen to the following talk about a car that can travel underwater, and then answer the following questions. You will hear the talk twice.
- V1 \*Hello. I am Frank Rheinhardt. I'm an inventor and I'm here to tell you about my new invention, the "Aquacar". Why have I invented this? Well, thirty years ago I watched James Bond drive a car underwater in a film. For three decades after seeing that film, I asked myself how I might invent a car which would work underwater. Actually I found out afterwards that the scene in the film never took place it was an animation. My imagination, however, had been fired by this idea. I finally unveiled my own "Aquacar" at a recent motor show in Switzerland.

My "Aquacar" is the world's first submersible car. Some military vehicles are also able to travel underwater but my car can perform better than them – it moves easily underwater, just like a fish swims, at a depth of up to 10 metres. Military underwater vehicles have to be heavy so they can stay submerged – this means they can only move very slowly both on dry land and underwater. My "Aquacar" goes fast in both environments!

The actual car body design was easy. I wanted it to be a sports car. It was difficult, though, to make the "Aquacar" engine watertight and resistant enough to water pressure to give ease of movement when driven underwater. I used three motors – one to be used on land, and the other two additional motors specially designed to propel the car underwater.

The car itself is easy to handle: the driver accelerates into the water and lets the "Aquacar" float. When the driver breaks open the lower door seal to let the water in, the car submerges; remember that it's an open-top sports car. Passenger breathing air comes from a tank of compressed air a bit like the ones that divers wear. The "Aquacar" body design has had to be left open for safety reasons. Doors might get stuck when passengers are trying to release themselves in the case of an emergency, for example. An enclosed car design would also make it so heavy that the "Aquacar" would only move at a snail's pace when on dry land.

So here it is, I present to you my "Aquacar" – you can see it in action on the internet.\*\*

Pause 00'30"

R1 Now you will hear the talk again.

Repeat from \* to \*\* Pause 00'30"

R1 That is the end of Question 10, and of the test.

In a moment your teacher will collect your papers. Please check that you have written your name, Centre number and candidate number on the front of your question paper. Remember, you must not talk until all the papers have been collected.

Pause 00'10"

R1 Teacher, please collect all the papers. Thank you everyone.