



UNIVERSITY OF CAMBRIDGE INTERNATIONAL EXAMINATIONS International General Certificate of Secondary Education

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CANDIDATE NAME				
CENTRE NUMBER		CANDIDATE NUMBER		

INFORMATION AND COMMUNICATION TECHNOLOGY

0417/21

Paper 2 Practical Test

May/June 2013

2 hours 30 minutes

Additional Materials: Candidate Source Files

READ THESE INSTRUCTIONS FIRST

Make sure that your Centre number, candidate number and name are written at the top of this page and are clearly visible on every printout, before it is sent to the printer. Printouts with handwritten information will not be marked.

DO NOT WRITE IN ANY BARCODES.

Carry out **every** instruction in each step.

Steps are numbered on the left hand side of the page. On the right hand side of the page for each step, you will find a box which you can tick (✓) when you have completed it; this will help you track your progress through the test.

At the end of the exam put this **Question Paper** and **all** your printouts into the Assessment Record Folder.

If you have produced rough copies of printouts, these should be neatly crossed through to indicate that they are **not** the copy to be marked.

This document consists of 8 printed pages.



		24	
		2	
	work for a company called l is company.	Hothouse Renewable Energy. You are going to perform	ambridge.com
1	Open the file JX3EVIDEN	CE.RTF	To
	Make sure that your name page of this document.	, Centre number and candidate number will appear on every	COM
		ent in your work area as JX3EVIDENCE followed by your ample: JX3EVIDENCE9999	
	You will need this file later	:	L.
2	Add the following contact	details to your email contacts/address book:	
	FULL NAME	EMAIL ADDRESS	
	Abdul Amar Hussain Syed Oliver Johnson	a.amar@cie.org.uk h.syed@cie.org.uk o.johnson@cie.org.uk	
	Place screenshot evidence	e of only these entries in your evidence document.	
3	Create an email group/dis	tribution list named Energy Team	
	Add the three contacts en	tered at step 2 to this group. Save the group.	
	Place screenshot evidence in your evidence documen	e of the group and the three contacts that belong to this group it.	
	You will send a message t	to this group later.	
You a	are now going to edit a repo	rt about offshore wind power.	
4	Using a suitable software	package, load the file JX3WINDFARMS.RTF	
5	Set the:		
J	page size to A4		
	-	e of your page size settings in your evidence document.	
	orientation to landsca	pe	
	top and bottom marging		
	 left and right margins 	to 2.5 centimetres.	
	Place screenshot evidence evidence document.	e of your margin and page orientation settings in your	
6	Save the document, with a	a new name, in your work area.	
7	Place in the header:	_	
	Place in the footer:		
	i idoc ili tilo loctol.		

Make sure that all the alignments match the page margins.

your name and candidate number right aligned.

today's date left aligned

Make sure that headers and footers are displayed on all pages.

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20 Enter the following data into the table:

Offshore wind p	ower in Europe
Country	Capacity (MW)
UK	1341
Denmark	854
Netherlands	249
Belgium	195
Sweden	164
Germany	92
Finland	26
Ireland	25
Norway	2.3

Make sure the table fits within the column, there is a single line space above and below the table and the text is formatted as body text.

4 I	 bold 	
	centre aligned	
22	Apply light grey shading $(20 - 40\%)$ to only the top two rows of the table.	
23	Find a clipart image of a wind turbine or windmill. Re-size the image to a height of 3.5 cm and maintain the aspect ratio. Place this image:	
	 on the first page below the subheading A Global Power Source aligned with the top of the first paragraph aligned to the left margin 	
	Make sure the text wraps round the image. It may look like this:	
24	Apply square shaped bullets to the list of benefits from:	
	Higher wind speeds	
	to	
	No noise impact	
25	Apply 1.5 line spacing to the bulleted list.	

Save the document.

26

You are now going to prepare some reports for the company.

Using a suitable database package, import the file JX30FFSHORE.CSV 27 Use the following field names and data types:

		424
	5	14. D
e now going to prepare s	ome reports for the co	mpany.
Jsing a suitable databas	e package, import the	mpany. file JX30FFSHORE.CSV
Jse the following field na		
	T	T
NAME	DATA TYPE	FORMAT
ID	Text	
Country	Text	
Number	Number	Integer
Name	Text	
Distance	Number	1 decimal place
Operational	Boolean/Logical	Yes/No
Capacity	Number	Integer
Depth	Number	Integer
Height	Number	1 decimal place
Diameter	Number	Integer
Sea	Text	

28	Place a screenshot showing the field names and data types used into your evidence	Γ
	document.	_

29	Insert the following three records:	

O)	Country	Number	Name	Distance	Operational	Capacity	Depth	Height	Diameter	Sea
BE04	Belgium	36	Eldepasco	37.0	Yes	216	20	130.0	90	North Sea
IE01	Ireland	7	Arklow Bank	10.0	Yes	25	30	129.0	111	Irish Sea
NR01	Norway	1	Hywind	10.5	Yes	2	22	106.2	82	North Sea

30 Check your data entry for errors.	
--------------------------------------	--

or our out
31 Save the data.

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- **32** Produce a report from all the data which:
 - contains a new field called **Turbine_Capacity** which is calculated at run-time. This field will calculate the *Capacity* divided by the *Number* of turbines
 - has the Turbine_Capacity field displayed to 1 decimal place
 - shows only the records where the Sea is North Sea or Irish Sea and Operational is Yes
 - shows only the fields Country, ID, Name, Number, Distance, Operational, Capacity, Height, Sea and Turbine Capacity in this order with their labels in full
 - sorts the data into ascending order of Country and then ascending order of Name
 - fits on a single page wide
 - has a page orientation of landscape
 - calculates the total *Number* of turbines and places it at the bottom of the report
 - has a label to the left of this number **Total turbines in operation**
 - includes the heading **Power from North and Irish Seas** at the top of the page
 - has your name, Centre number and candidate number on the right in the footer.

33	Save and print this report.	
34	Produce an extract from all the data which: • selects only those locations • in the United Kingdom • in the North Sea • with a capacity of 90 or more megawatts (MW) • which are operational • shows only the fields Name, Sea, Capacity in this order • sorts the Capacity in descending order (largest to smallest)	
35	Save this data in a form which can be imported into the document that you saved in step 26.	
36	Import this data into your document as a table after the paragraph which ends: Offshore wind farms in the UK producing 90 MW or more of power are: Make sure that all required fields and their labels are fully visible and that there is one	
37	blank line above and one below the extract. Spell-check and proof-read the document. Place page breaks, if necessary, to make sure that: tables do not overlap two columns or pages bulleted lists do not overlap two columns or pages there are no widows there are no orphans there are no blank pages.	
38	Make sure all formatting is consistent throughout your document. Save the document.	

Print the document.

	*w	
	7	
∕ou a	are now going to create a short presentation. Import the file JX3PRES.RTF placing the text as slides in your presentation software. Remove any blank slides. (This should provide six slides, each containing a title and some bullet points.)	The state of the s
39	Import the file JX3PRES.RTF placing the text as slides in your presentation software.	Tide
	Remove any blank slides.	i.es
	(This should provide six slides, each containing a title and some bullet points.)	13
40	The master slide must have:	
	a white background	_ [
	 the image LOGO.JPG placed in the top right corner; the height of the image should be 2.5 cm and the aspect ratio should be maintained 	
	 your Centre number, candidate number and name in a 10 point black serif font in the bottom right corner 	
	automatic slide numbers in the bottom left corner	
	a horizontal black line, 3 points wide, across the slide below the image	
	 the text Renewable Energy in a black 72 point serif font above the line, left aligned; make sure the text does not wrap. 	
	No master slide elements, text or images should overlap on any slides.	
	Apply all master slide elements to all slides.	
41	Insert a new slide before slide 1. Use a layout with a title and subtitle for the new slide.	
42	Enter the text Wind Power in Europe as the title.	
	Enter the text Progress since 1 January 2009 as a subtitle.	
43	Delete the slide with the title EUROPEAN TARGETS.	
44	Move the slide with the title <i>PRODUCTION</i> so that it becomes slide 3.	
45	Create a vertical bar chart using the table in JX3CAPACITY to show the predicted growth in global wind power capacity between 2010 and 2015.	
46	Label the chart with	
	the title Global Wind Power Capacity And the property of the least of the lea	
	category series labels displayed in full axis titles as Pagion and Wind Power Canacity (MW)	
	axis titles as Region and Wind Power Capacity (MW)	_
47	Place the chart to the left of the bullet points on the slide with the title <i>GROWTH PREDICTIONS</i> .	
48	Save the presentation.	
	Print the presentation with six slides to the page.	_
	Print the slide with the title GROWTH PREDICTIONS as a full slide.	

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www.PapaCambridge.com 49 Prepare an email message: to be sent to the group called **Energy Team** (from your address book) copied to design.h@cie.org.uk with the subject line Offshore wind farms The body text of the message should include: your name your Centre number your candidate number the text: The annual report is attached for your information. 50 Attach to your email the document which you saved at step 38. 51 Take a screenshot of this email, showing clearly that the attachment is present, and place it in your evidence document. Send the email. **52** Save and print the evidence document. Write today's date in the box below. Date

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