

Cambridge Assessment International Education

Cambridge International General Certificate of Secondary Education

INFORMATION AND COMMUNICATION TECHNOLOGY

0417/21

Paper 2 Practical Test A

May/June 2019

MARK SCHEME
Maximum Mark: 80

Published

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 should be read in conjunction with the question paper and the Principal Examiner Report for Teachers.

Cambridge International will not enter into discussions about these mark schemes.

Cambridge International is publishing the mark schemes for the May/June 2019 series for most Cambridge IGCSE™, Cambridge International A and AS Level and Cambridge Pre-U components, and some Cambridge O Level components.

This syllabus is regulated for use in England, Wales and Northern Ireland as a Cambridge International Level 1/Level 2 Certificate.



[Turn over

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Generic Marking Principles

These general marking principles must be applied by all examiners when marking candidate answers. They should be applied alongside the specific content of the mark scheme or generic level descriptors for a question. Each question paper and mark scheme will also comply with these marking principles.

GENERIC MARKING PRINCIPLE 1:

Marks must be awarded in line with:

the specific content of the mark scheme or the generic level descriptors for the question the specific skills defined in the mark scheme or in the generic level descriptors for the question the standard of response required by a candidate as exemplified by the standardisation scripts.

GENERIC MARKING PRINCIPLE 2:

Marks awarded are always whole marks (not half marks, or other fractions).

GENERIC MARKING PRINCIPLE 3:

Marks must be awarded **positively**:

marks are awarded for correct/valid answers, as defined in the mark scheme. However, credit is given for valid answers which go beyond the scope of the syllabus and mark scheme, referring to your Team Leader as appropriate

marks are awarded when candidates clearly demonstrate what they know and can do marks are not deducted for errors

marks are not deducted for omissions

answers should only be judged on the quality of spelling, punctuation and grammar when these features are specifically assessed by the question as indicated by the mark scheme. The meaning, however, should be unambiguous.

GENERIC MARKING PRINCIPLE 4:

Rules must be applied consistently e.g. in situations where candidates have not followed instructions or in the application of generic level descriptors.

GENERIC MARKING PRINCIPLE 5:

Marks should be awarded using the full range of marks defined in the mark scheme for the question (however; the use of the full mark range may be limited according to the quality of the candidate responses seen).

GENERIC MARKING PRINCIPLE 6:

Marks awarded are based solely on the requirements as defined in the mark scheme. Marks should not be awarded with grade thresholds or grade descriptors in mind.

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PUBLISHED

Name, centre number, candidate n

Header

Name, centre number, candidate number left aligned. automated page numbers right aligned

1 mark

bal Literacy

Report edited by: Candidate Name

Literacy is a key skill which is used to measure the education of a population. The international community co Having basic reading and writing skills is very important as it enhances the working capabilities of a personal transfer of the capabilities of a personal transfer of the capabilities of drives sustainable development with reduced poverty, impl nutrition, and greater participation

TW-title modified style (EV3) 1 mark (correct attributes - serif, 32pt, right, bold, italic, single line, 0 before 0pt after)

and write. Global literacy levels are higher than ever with adult

Subtitle **Report edited by:** entered accurately

TW-subtitle style seen in EV4 list and applied (serif, 18pt, underline, left aligned, single line. Opt space before/after)

1 mark

Younger

1 mark

still lack basic reading and writing skills.

The Generation Gap

ommunication date back to 3500 bo The earliest forms of writte a very small number of learnt to read and write. In those days, people who knew how to public performances to display their skills. For centuri with

Columns

and

lucation was able to read Section break applied to correct text 1 mark ic education 2 columns, 2 cm column spacing 1 mark beca lter educated

than ever perore and estimates or global literacy and school attendance are above 80%.

In many countries there is a large difference in literacy rates across operatio∕

Subheadings (6)

TW-subhead style applied consistently to all younger

matches style defined in EV2

improvements have been seen in just one generation.

1 mark

The Gender Gap

generations. The high youth literacy rates indicates that as time passes, the

literacy rate for the overall population will continue to increase. These

changes are happening particularly quickly in the least educated regions of

our world such as Northern Africa and the Middle East where drastic

Current Trends

In most developed countries literacy rates are at, or near 100%. All countries outside of Africa and Afghanistan have literacy rates above 50%. The poorest countries in the world, often where basic education is limited, st?

large segments of the population who are illiterate. The low Image literacy rates are observed in sub-Saharan Africa and in So Image inserted in correct position Youth literacy rates (aged 15 to 24) are generally higher than rates, reflecting increased access to good education and schol the vounger generations. Nevertheless, youth literacy rates re-

several countries, which suggests problems with low access to schooling, early school leaving or a poor quality of education.

In Southern Asia basic literacy skills have more than doubled in 50 years from 39% to 84% today. Similarly the literacy rate was very low in Bhutan (15%) and Nepal (21%) with both countries making tremendous progress. over the years to reach 87% and 85% respectively.

There is little or no difference between male and female adult literacy rates in developed regions. However in developing

lv associated

1 mark Image rotated 180 degrees 1 mark Aligned to top of text and right margin, text wrapped 1 mark

less ໂທ. Gender

ller amongst youths and

Gender is one of the biggest reasons why children are denied an education. Efforts to expand literacy skills among women and girls often face deeply rooted social barriers. Poverty forces many families to choose which child to send to school and illiterate parents may not readily appreciate the value of literacy for their daughters. This is prevalent in traditional, rural societies emain at home. Despite recent

Footer

Automated date field right aligned

1 mark

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The regions of Eastern Asia, Northern Africa, Southern Asia and Western

advances in education for girls, a generation of young women has been left behind with over 100 million in developing countries unable to read a single sentence.

Literacy Rates and Economic Growth

The economic prosperity of a country depends entirely on the resources it has. Developing the skills and knowledge of the population is regarded as a key strategy for promoting national economic growth. Recent studies have suggested that investment in human capital such as education and skills

Bullets

Any consistent bullet style applied to correct data 1 mark Bullets indented 2 cm from left margin, single line 1 mark

groups is lard

vears ago.

- adult from 76% to 85%
- youth from 83% to 91%
- women from 71% of the older cohort to 90%

Asia have made the greatest progress in adult literacy. The table below shows the progress made in each world region over the past 25 years:

Adult Literacy Progress							
World Region	1990	2000	2011				
Arab States	55%	68%	77%				
Central and Eastern Europe	96%	97%	99%				
Central Asia	98%	99%	100%				
East Asia and the Pacific	82%	92%	95%				
Latin America and the Caribbean	86%	90%	92%				
South and West Asia	47%	59%	63%				
Sub-Saharan Africa	53%	√ 57%	59%				

D	/ Table	\ to
<u>Progress</u>	New column inserted in correct position (3rd column)	1 mark es
Adult and you acy rates have improved and the gender gap	has New column, accurate data entry	1 mark
significantly ir regions of the world. Over the past 25 years the	e fo Top row merged, centred	1 mark of
progress has Leen made in global literacy rates:	Heading bold, italic	1 mark of
 adult from 76% to 85% 	External border only displayed	1 mark he
 youth from 83% to 91% 	All data on one line, all borders/data within column width	1 mark
 women from 71% of the older cohort to 90% 	TW-table style seen in EV4 list, applied consistently	
Despite this progress, gender disparity in youth literacy remains p		1 mark /ge
disparity at the expense of young men. Nevertheless, real progre	ss ock	e 50

The momentum of progress must be maintained and continuing efforts made in all countries to ensure that everyone, regardless of age and sex, acquires reading and writing skills, as called for in the new global Education 2030 agenda. Raising literacy levels remains a formidable challenge across the world.

Superscript applied to correct text 1 mark

Page layout

TW-body style seen in EV4 list and applied consistently – sans-serif, 10pt, justified, single line, 0pt before, 6pt space after 1 mark

Doc complete/paras intact, A4, landscape, columns aligned at top, no widows/orphans, split lists/tables, no blank pages, 6pt after bullet list, 6pt after table

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an 50

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1 mark

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Title

Correct, 100% accurate

1 mark

Calculated field

Heading 100% accurate
Sales Value calculated, correct values

1 mark 1 mark

High Volume Book Sales

Title	Imprint	Pub_Date	Binding	Volume	ASP	Sales_Value
Midnight Vampire Diaries	Sinclair Childrens Books	03-Mar-11	Hardback	27008	£6.46	£174,471.68
Midnight	Hyperturner Publishers	17-Feb-11	Hardback	17966	£9.96	£178,941.36
Night Circus; The	Harvey Secker	15-Sep-11	Hardback	16467	£9.18	£151,167.06
In the Night Garden Buggy Book	British Book Company	05-Feb-09	Hardback	11164	£4.38	£48,898.32
What the Night Knows	Hyperturner Publishers	06-Jan-11	Hardback	10277	£11.17	£114,794.09
Midnight Palace; The ———————————————————————————————————	Winterland & Nicolson	02-Jun-11	Hardback	7413	£9.15	£67,828.95
I Shall Wear Midnight	Singleweek Childrens Books	02-Sep-10	Hardback	7402	£11.94	£88,379.88
Towers of Midnight Wheel of Time			dback	7349	£13.24	£97,300.76
A NOOGE EGSE INIGHT	rd <i>Friday Night</i> s added accura	•	dback	6735	£8.89	£59,874.15
Goodnight Moon record Mile	dnight Palace still present	1 ma	dback	6684	£3.96	£26,468.64
The Curious Incident of the Dog in the Night-time		01-Apr-04	Paperback	26952	£6.47	£174,379.44
Friday Nights	Read Duck	01-Jan-09	Paperback	25262	£5.29	£133,635.98
Midnight	Sinclair Paperback	28-Apr-12	Paperback	24343	£4.45	£108,326.35
Nightfall Vampire Diaries	Sinclair Childrens Books	04-Mar-10	Paperback	24089	£4.90	£118,036.10
What the Night Knows	Brooklyn	23-Jun-11	Paperback	23281	£4.57	£106,394.17
Night Star	Millen Childrens Books	17-Nov-10	Paperback	22865	£4.70	£107,465.50
Night Monkey; Day Monkey	Mahmouth	01-Apr-02	Paperback	22269	£4.48	£99,765.12
I Shall Wear Midnight Discworld Novel	Knine Childrens	09-Jun-11	Paperback	20278	£4.54	£92,062.12
Midnight	Brooklyn	17-Nov-11	Paperback	19398	£4.16	£80,695.68
Night Road	Panda Books	17-Jun-11	Paperback	17973	£4.94	£88,786.62
Night Before Christmas; The	Edmunds Press	27-Oct-11	Paperback	16028	£3.90	£62,509.20
Mr Men the Night Before Christmas	Ravenglass Books	01-Sep-08	Paperback	14700	£2.42	£35,574.00
Goodnight Mister Tom	Peacote Books	31-Mar-83	Paperback	14245	£6.15	£87,606.75
Night Before Christmas; The	Millen Childrens Books	07-Oct-12	Paperback	11794	£4.93	£58,144.42
Witness the Night	Pretty Books	15-Apr-10	Paperback	11220	£5.98	£67,095.60
One Snowy Night	Hyperturner Publishers	01-Oct-08	Paperback	9816	£5.99	£58,797.84
No						

Name, centre number, candidate number

Name, centre number, candidate number displays in report footer, on every page

1 mark

Specified fields, correct order 1 mark
Sort ascending *Binding*, descending *Volume* 1 mark
Landscape, one page wide, all base fields present, no truncation 1 mark

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May/June 2019

Title	Imprint	Pub_Date	Binding	Volume	ASP	Sales_Value
Suspect; The and The Night Ferry	Ellipses	06-May-10	Paperback	9253	£2.13	£19,708.89
Night Watch; The	Virgo Press Ltd	21-Oct-06	Paperback	9069	£7.15	£64,843.35
Night Pirates; The	Ravenglass Books	01-Sep-05	Paperback	8629	£4.49	£38,744.21
One Christmas Night	Large Tiger Press	01-Sep-11	Paperback	8547	£5.42	£46,324.74
Towers of Midnight The Wheel of Time	Spinning	06-Oct-11	Paperback	8501	£6.78	£57,636.78
One Snowy Night Tales from Percy's Park	Collin	04-Aug-03	Paperback	8248	£4.51	£37,198.48
Last Night at Chateau Marmont	Brooklyn	17-Aug-10	Paperback	7703	£6.46	£49,761.38
Mr Bump and the Knight Sparkly Mr Men Stories	Ravenglass Books	02-Jun-08	Paperback	7448	£2.60	£19,364.80
Say Goodnight to the Sleepy Animals!	Millen Childrens Books	05-Sep-08	Paperback	7309	£3.96	£28,943.64
Midnight Vampire Diaries The Return	Sinclair Childrens Books	05-May-11	Paperback	7287	£4.92	£35,852.04
Night with Consequences; A Jacquard & Babbage Modern	Jacquard & Babbage	06-May-11	Paperback	6860	£3.03	£20,785.80
Way of Shadows; The Night Angel Trilogy	Spinning	02-Oct-08	Paperback	6684	£6.66	£44,515.44
Midnight	Knine Yearling Books	09-Oct-08	Paperback	6604	£4.99	£32,953.96
Reckless Night in Rio Jacquard & Babbage Modern	Jacquard & Babbage	01-Jul-11	Paperback	6251	£2.97	£18,565.47
Shadow's Edge Night Angel Trilogy	Spinning	06-Nov-08	Paperback	6060	£6.41	£38,844.60
Goodnight Lady	Deadline Book Publishing	29-Apr-10	Paperback	6001	£6.67	£40,026.67

Name, centre number, candidate number

Select records (42):Title contains Night1 markVolume is >60001 markImprint excludes Proton1 mark

Formatting

ASP and Sales_Value same currency symbol 2dp
Pub_Date format dd-MMM-yy 1 mark

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Title

Correct, 100% accurate 1 mark

Specified fields, correct order 1 mark
Sort ascending order of *Rank* 1 mark
Portrait, fits one page, all fields present, no truncation 1 mark

Top Ranking Youth Fiction

Name, centre number, candidate number

Title	Author	Binding	Book_Genre	Rank
Longest Whale Song; The	Wilson; Jacqueline	Paperback	Children	20
Harry Potter and the Prisoner of Azkaban	Rowling; J K	Paperback	Children	26
Percy Jackson and the Sea of Monsters	Riordan; Rick	Paperback	Children	65
My Sister Jodie	Wilson; Jacqueline	Paperback	Children	71
Mockingjay Hunger Games Trilogy	Collins; Suzanne	Paperback	Young Adult	73
Forever	Stiefvater; Maggie	Paperback	Young Adult	86
Bite Club The Morganville Vampires	Caine; Rachel	Paperback	Young Adult	122
Red Pyramid; The Kane Chronicles	Riordan; Rick	Paperback	Children	134
Skulduggery Pleasant Mortal Coil	Landy; Derek	Paperback	Children	139
Kensuke's Kingdom	Morpurgo; Michael	Paperback	Children	159
Immortals Everlasting; The	Noel; Alyson	Paperback	Young Adult	165
How to Steal a Dragon's Sword Hiccup	Cowell; Cressida	Paperback	Children	171
Private Peaceful	Morpurgo; Michael	Paperback	Children	176
Recruit; The Bk1 CHERUB	Muchamore; Robert	Paperback	Children	186
Cross My Heart and Hope to Spy	Carter; Ally	Paperback	Young Adult	192
Skulduggery Pleasant Playing with Fire	Landy; Derek	Paperback	Children	198
Fantastic Mr Fox	Dahl; Roald	Paperback	Children	233
Pop Star v3 Dork Diaries	Russell; Rachel Renee	Paperback	Children	240
Ferno the Fire Dragon Beast Quest	Blade; Adam	Paperback	Children	248
Torment	Kate; Lauren	Paperback	Young Adult	252
Harry Potter and the Goblet of Fire	Rowling; J K	Paperback	Children	265
Hiccup How to Train Your Dragon Hiccup	Cowell; Cressida	Paperback	Children	321
Cookie	Wilson; Jacqueline	Paperback	Children	331
Only The Good Spy Young Gallagher Girls	Carter; Ally	Paperback	Children	351
Harry Potter and the Order of the Phoenix	Rowling; J K	Paperback	Children	355
Harry Potter and the Half Blood Prince	Rowling; J K	Paperback	Children	356
Shiver	Stiefvater; Maggie	Paperback	Young Adult	365
Emma the Easter Fairy Rainbow Magic	Meadows; Daisy	Paperback	Children	390

Number of books

Select records (28):

Genre is Children or Young Adult 1 mark Rank is 400 or less, Binding is Paperback 1 mark

Calculates correct number of books 1
Positioned under *Binding* column 1
Accurate label entered to left 1

28

1 mark 1 mark 1 mark

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Task 4 - Mail merge

Merge Fields inserted – placeholders and <> correctly replaced for all

«First_Name» | «Last_Name» | «Street» | «Area» | «Postcode» correct position and space 1 mark

«Club» | «Date». punctuation and centre/bold/underline retained, correct position and space 1 mark

«First_Name» | «Last_Name» | «Book_Title» | «Author» | «Question» correct position and space,

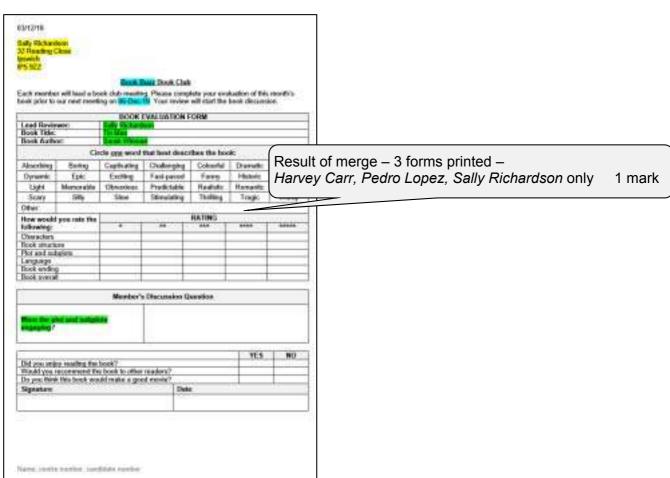
punctuation and bold retained 1 mark

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ook prior to	our next meeti	ud ou services	Your review will	start the boo	ok discussion.	
		BOOK E	EVALUATION F	ORM		
ead Revie	wer:		kLast Names			
Book Title:		«Book Title»	The state of the s			
Book Auth	or:	«Author»				
	Cir	cle <u>one</u> word t	that best descr	ibes the boo	ok:	
Absorbing	Boring	Captivating	Challenging	Colourful	Dramatic	Dull
Dynamic	Epic	Exciting	Fast-paced	Funny	Historic	Intense
Light	Memorable	Obnoxious	Predictable	Realistic	Romantic	Sad
Scary	Silly	Slow	Stimulating	Thrilling	Tragic	Wordy
Other:					10 11	
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Plot and su anguage	opiots			_		
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Task 5 - Presentation

Slides imported (6), title and bullet layout, no text changes, no blank slides, or overlap of items, name inserted

1 mark

Master slide items

Name, centre no, candidate number/auto slide numbers Call out shape, fully visible, no fill 1 mark 1 mark

...containing text A celebration day of reading and writing

1 mark

International Literacy Day • Presented by: Candidate Name

A interest to highlight the importance of literacy to empower individuals, communities and societies

• to remind the international community of the status of literacy and adult learning globally

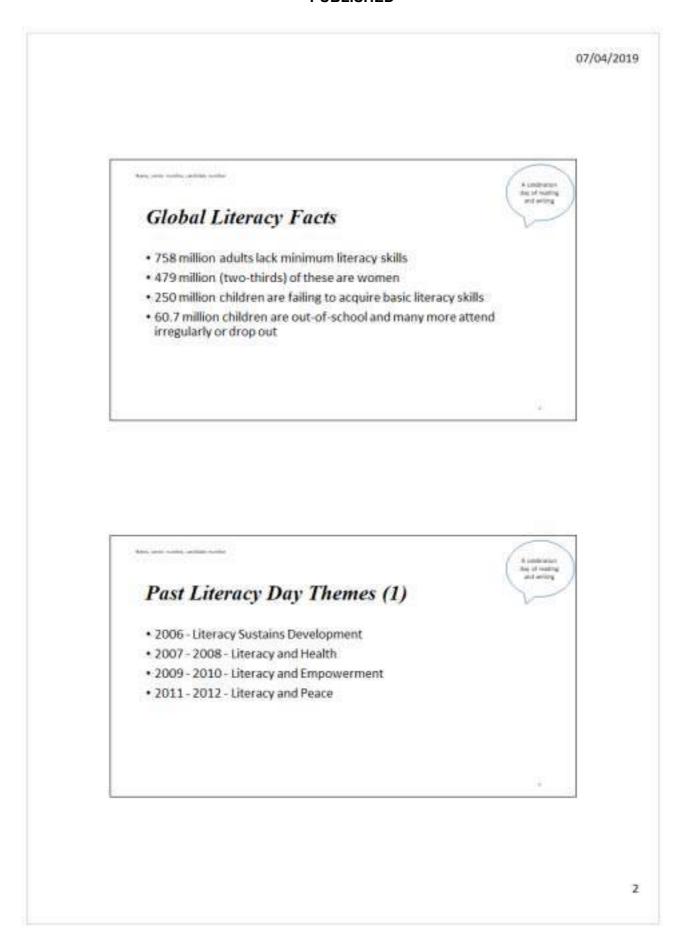
• to remind us of the global importance of literacy

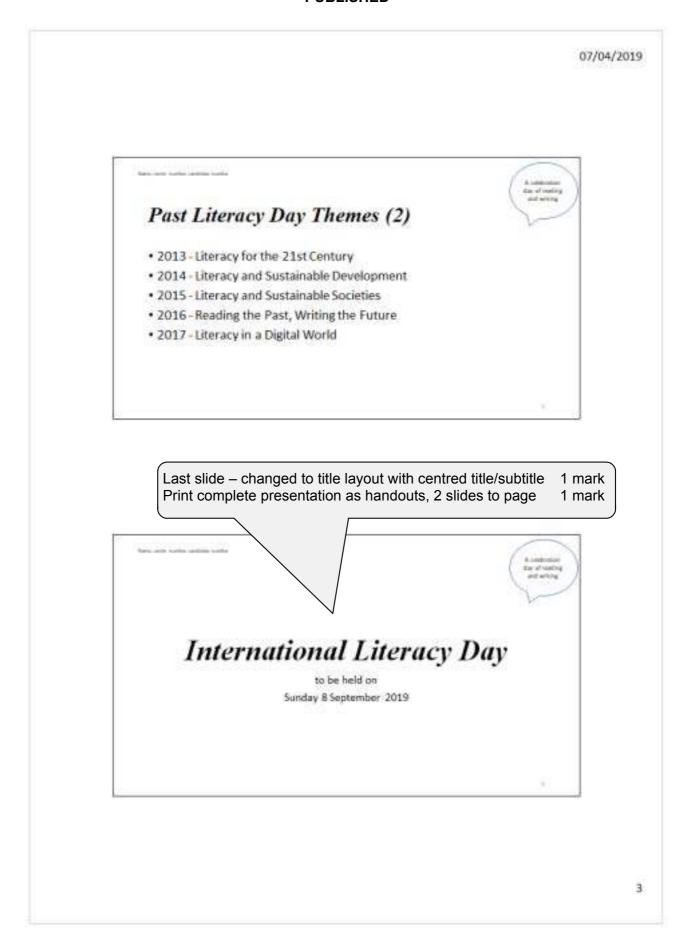
• to promote literacy worldwide

• to shine a light on global literacy needs

1

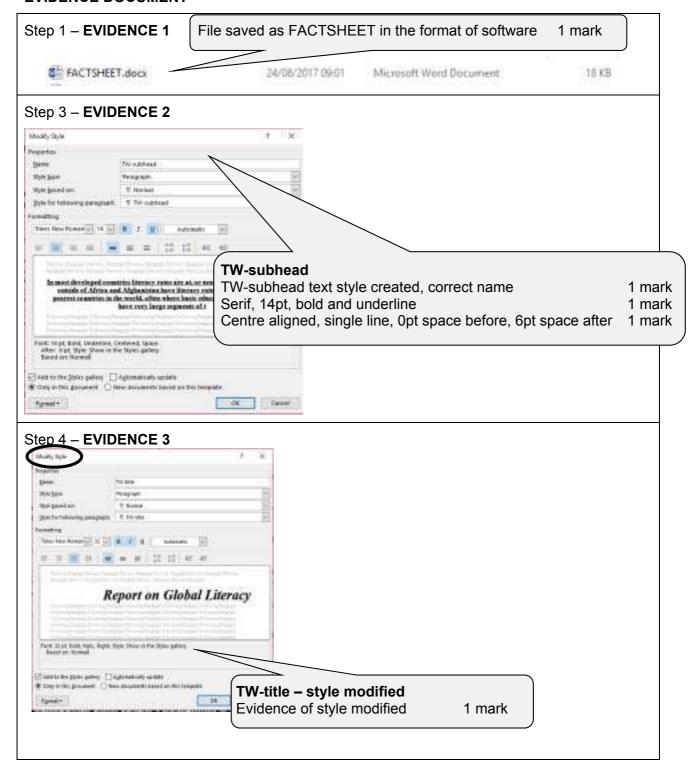
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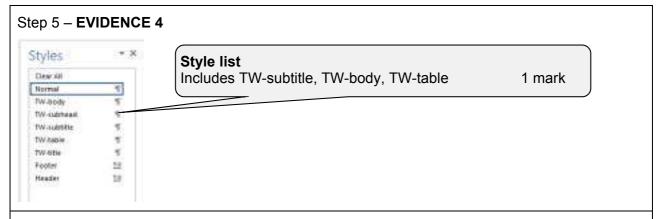




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EVIDENCE DOCUMENT





Step 20 – EVIDENCE 5 - type your answers here:

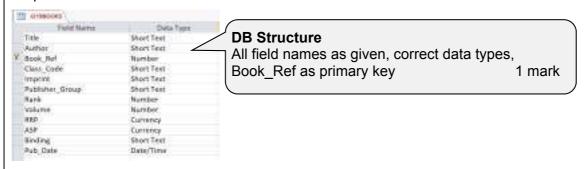
- (a) Comma Separated Value(s)
- (b) Two characteristics of a csv file:

saves in text format allows for the saving data in an organised way software independent uses a character (e.g. comma) to separate/delineate each piece of data uses hard return to separate data

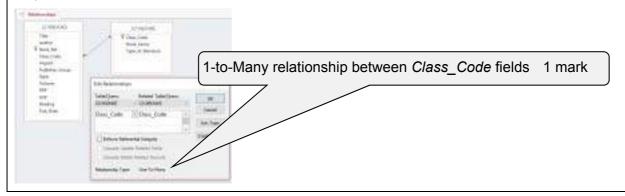
(c) Explain one example when a csv file would be used: import/export/transfer data between applications/platforms with an example

[4 marks]

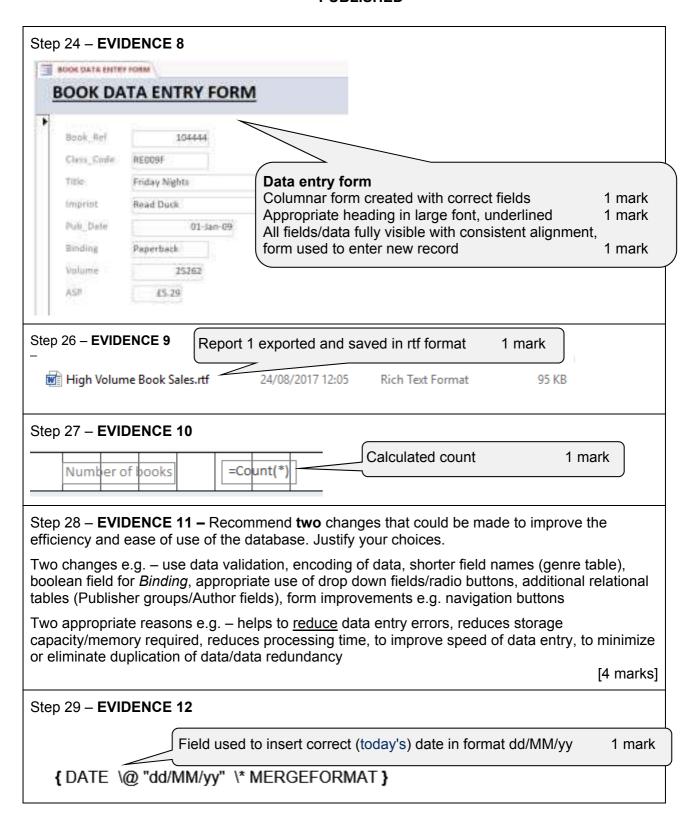
Step 21 - EVIDENCE 6



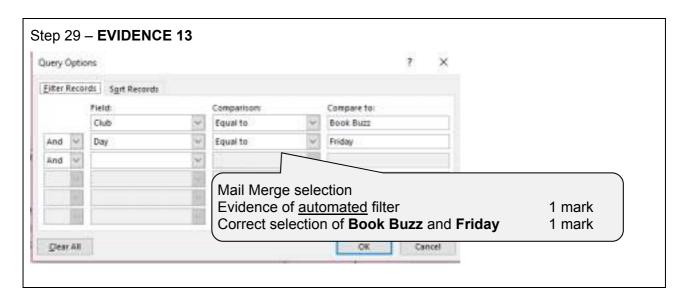
Step 22 - EVIDENCE 7



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