

Candidate Name	Centre Number	Candidate Number

WELSH JOINT EDUCATION COMMITTEE
General Certificate of Secondary Education



CYD-BWYLLGOR ADDYSG CYMRU
Tystysgrif Gyffredinol Addysg Uwchradd

631/01

GCSE

APPLIED INFORMATION AND COMMUNICATION TECHNOLOGY

(DOUBLE AWARD)

A.M. WEDNESDAY, 7 June 2006

(2 Hours)

Examiner's Use Only	
Total Mark	

ADDITIONAL MATERIALS

In addition to this paper you will need Resource Material for use with Questions 7 and 8.

INSTRUCTIONS TO CANDIDATES

Write your name, centre number and candidate number in the spaces at the top of this page.

Answer **all** questions.

Write your answers in the spaces provided in this booklet. Where the space is not sufficient for your answer, continue the answer at the back of the book, taking care to number the continuation correctly.

INFORMATION FOR CANDIDATES

The number of marks is given in brackets at the end of each question or part-question.

No certificate will be awarded to a candidate detected in any unfair practice during the examination.

Answer **all** questions in the spaces provided.

Questions in this paper are based on the context of 'Town Theatre'.

1. Staff at *Town Theatre* use a desktop publishing (DTP) program to create brochures.

(a) Tick **one** box in **each** case to show which feature would **best complete** the following tasks: [5]

(i) Make the play titles darker so that they stand out.

- Underline
- Italics
- Bold text
- Upper case

(ii) Add a graphic.

- Tabulate
- Superscript
- Clip art
- Subscript

(iii) Use a fancy style of writing.

- Change printer
- Change keyboard
- Change program
- Change font

(iv) Look for an alternative word with the same meaning.

- Spell check
- Autocorrect
- Dictionary
- Thesaurus

(v) Search for a certain word in a document.

- Zoom
- Find
- View
- Word count

(b) The cast list below has been produced to go in one of *Town Theatre's* programmes.

<i>Lady Bryce</i>	.....	<i>Laura Kane</i>
<i>Lord Bryce</i>	.....	<i>Bob James</i>
<i>Lucy Brown</i>	.....	<i>Sarah Jones</i>
<i>Bob Parker</i>	.....	<i>Jim Fields</i>
<i>The villain</i>	.....	<i>Mike Lewis</i>

Tick **three** boxes to show which of the following features have **not** been used to produce the cast list. [3]

- Decimal tab
- Leader tab
- Underline
- Italics
- Strikethrough
- Left align

(c) Which *type* of software application would be **best** to produce the above cast list? [1]

.....

- (d) *Town Theatre* also uses the computer system for other purposes. Using the words listed below, complete the table to show which applications are **best** suited to perform the following tasks. [6]

Spreadsheet CAD (Computer Aided Design) Graphic manipulation software

Multimedia/Presentation software

Internet browser

Database

Task	Type of application
Design a stage layout.	
Keep details of theatre companies.	
Edit a photograph.	
Find play reviews on the web.	
Produce a slide show.	
Calculate income and expenditure.	

- (e) *Town Theatre* employees verify data input. Give **two** possible *methods* of verification that they might use. [2]

Method 1

Method 2

2. The research officer at *Town Theatre* often uses the Internet to find information.

(a) Tick **one** box to indicate the **best** criteria to use when searching for information on the musical ‘Cats’. [1]

- Cats
- Musical
- Cats musical
- Information on Cats

(b) The research officer finds the relevant website and wants to go back to it often. State which feature of the browser software could help her to do this easily. [1]

.....

(c) (i) *Town Theatre* employees use various e-mail facilities. Give an example of how they might use the following:

Mailing List: [1]

Attachments: [1]

(ii) *Apart from mailing list and attachments*, give **two** advantages of using e-mail for enquiries rather than using the normal post. [2]

Advantage 1

Advantage 2

(iii) Give **one** advantage of using e-mail for enquiries rather than using the telephone. [1]

.....

3. *Town Theatre* uses a spreadsheet similar to the one shown below to work out how many tickets they need to sell to make a profit.

	A	B	C	D	E	F	G	H
1	<i>No. of seats</i>	<i>Cost of ticket £</i>	<i>Income from tickets £</i>	<i>Estimated Income from Programmes £</i>	<i>Estimated Income from Drinks £</i>	<i>Estimated Total Income £</i>	<i>Production and Theatre Costs £</i>	<i>Profit or Loss £</i>
2	10	5	50	20	15	85	850	-765
3	20	5	100	40	30	170	850	-680
4	30	5	150	60	45	255	850	-595
5	40	5	200	80	60	340	850	-510
6	50	5	250	100	75	425	850	-425
7	60	5	300	120	90	510	850	-340
8	70	5	350	140	105	595	850	-255
9	80	5	400	160	120	680	850	-170
10	90	5	450	180	135	765	850	-85
11	100	5	500	200	150	850	850	0
12	110	5	550	220	165	935	850	85

Look carefully at the spreadsheet above and then answer the following questions:

- (a) Name the *type* of data used in cell range A1:H1. [1]
- (b) Name the *type* of data used in cell range A2:H12. [1]
- (c) Apart from data type, give **two** *other* formatting features used in cell range A1:H1. [2]
 Formatting Feature 1
 Formatting Feature 2
- (d) Give the **cell reference** for the cell containing the *Estimated Total Income* when 50 seats are booked. [1]

- (e) Select which **two** of the following formulas could have been used to calculate the *Estimated Total Income* when 30 seats have been booked. [2]

=sum(C4+E4)

=C4+D4+E4

=sum(C4:E4)

=C3+C4+C5

- (f) Give a suitable formula for calculating the *Income from Tickets* when 70 seats have been booked. [1]

.....

- (g) Give a suitable formula for calculating the *Profit or Loss* when 110 seats have been booked. [1]

.....

- (h) If the cost of a ticket is increased to £6, name the **three** other *columns* that will change automatically. [3]

Column 1 Column 2 Column 3

- (i) Apart from *automatic recalculation*, give **two** advantages of using a spreadsheet to investigate profit or loss. [2]

Advantage 1

.....

Advantage 2

.....

- (j) In addition to investigating *profit and loss*, give **another** example of how a **different** spreadsheet could be used by *Town Theatre*. [1]

.....

4. *Town Theatre* keeps a list of theatre companies in a computer database. Part of this database is shown below.

Company Name	Location	Tel. No.	Contact	Ref. No.	Last Used	Booking Fee	Winter Tour
Act Up	Oxford	01865521493	Jane Rees	45812	01/05/2004	£55	Yes
Foxheath Players	Cardiff	02930753324	Alex Glenn	13341	03/08/2004	£95	No
Africanvas	London	02087395051	Mike Rubayika	37791	21/05/2005	£140	Yes
Play Station	Newtown	01686442660	Pete Pemble	25471	14/09/2005	£90	Yes
Little Theatre	Cardiff	02920632897	Asif Noorani	63374	19/09/2005	£135	Yes
Dragon Drama	Bangor	01248412689	Joe James	85391	22/10/2005	£85	No
Mogul Films	Bolton	01207369875	Liz May	74358	30/01/2006	£75	Yes
Two's Company	Derby	01332695844	Pat Davies	25946	15/03/2006	£100	No
Wesley Players	Crewe	01270311457	Dave Birch	23258	04/04/2006	£125	Yes

- (a) State how many *records* are shown in this database. [1]
- (b) State **one** reason why *Town Theatre* would *add* a record. [1]
.....
- (c) State how many *fields* are shown in this database. [1]
- (d) Suggest **two** *extra* fields that *Town Theatre* might use. [2]
Field 1: Field 2
- (e) Name the *key field*. [1]
- (f) State the **purpose** of the key field. [1]
.....
- (g) Give **five** *different* data types used in this database. [5]
(i)
(ii)
(iii)
(iv)
(v)
- (h) State which field, in the above table, has been sorted in ascending order. [1]
.....

(i) The theatre manager wants a list of theatre companies for a *Winter Tour*. Write down the *field* and the *criteria* that would find **only** these records. [1]

.....

(j) The theatre manager is considering using *Mogul Films*. Write down the *field* and *criteria* that would bring up all the details for **only** *Mogul Films*. [1]

.....

(k) The theatre manager wants a list of all companies offering a *Winter Tour* with a *Booking Fee* less than £100. Write down the *fields* and *criteria* that would find **only** these records. [3]

.....

.....

.....

(l) Give a suitable input mask for the *Last Used* field. [1]

.....

(m) The table opposite forms part of a *relational database*. Explain the term *relational database*. [2]

.....

.....

.....

- 5. *Town Theatre* staff use standard ways of working when using computers. Give **three different** potential health problems related to computer use, and give a *different* method of prevention for each of them. [6]

Potential health problem 1:

Method of prevention:

.....

Potential health problem 2:

Method of prevention:

.....

Potential health problem 3:

Method of prevention:

.....

- 6. *Town Theatre's* manager sometimes uses presentation software to help her with staff training. Give a definition of the following features of presentation software:

(a) Animation

..... [1]

(b) Slide Transition

..... [1]

(c) Loop

..... [1]

(d) Printed handouts

..... [1]

When answering the following questions, you should refer to the 'Town Theatre' documents in your Resource Material Supplement.

7. **Document 1** is a mail merge letter.

(i) Give a definition of mail merge. [2]

.....
.....

(ii) **Document 1** and **Document 2** contain the *Town Theatre* logo. State **one** purpose of a logo. [1]

.....

(iii) State the **three** features of the DTP software that were combined to create the *Town Theatre* logo. [3]

Feature 1:

Feature 2:

Feature 3:

(iv) State the feature used on the words *Stage One* in **Document 1**. [1]

.....

(v) **Document 1** contains the date '21st April 2006'. State the formatting feature that creates the effect shown on the 'st' part of the date. [1]

.....

(vi) State the type of *alignment* used for the date in **Document 1**. [1]

.....

(vii) State the type of *alignment* used for the *main body* of the letter in **Document 1**. [1]

.....

(viii) In **Document 1** *paragraph 2* is different from the other paragraphs. State the **two** features used to change the quote in *paragraph 2*. [2]

Feature 1:

Feature 2:

(ix) **Document 1** contains a *footer*. Give a definition of a *footer*. [1]

.....
.....

8. **Document 2** is a poster displayed in the theatre. *'Friends of Town Theatre'* was created using Word Art.

(a) State the feature used to change the angle of the Word Art. [1]

.....

(b) Give **six other** features of the DTP software used in **Document 2** but not in **Document 1**. [6]

Feature 1:

Feature 2:

Feature 3:

Feature 4:

Feature 5:

Feature 6:

(c) Apart from a letter, poster, theatre programme or e-mail, name **five** other documents that could be used by *Town Theatre*, and state the purpose of each of them.

Document 1: [1]

Purpose:

..... [1]

Document 2: [1]

Purpose:

..... [1]

Document 3: [1]

Purpose:

..... [1]

Document 4: [1]

Purpose:

..... [1]

Document 5: [1]

Purpose:

..... [1]

For continuation only.

A series of horizontal dotted lines for writing.

631/01-A

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(DOUBLE AWARD)

A.M. WEDNESDAY, 7 June 2006

Resource Material for use with Questions 7 and 8.

INFORMATION FOR CANDIDATES

This supplement contains two documents for use with questions 7 and 8.

DOCUMENT 1

 and

DOCUMENT 2

 are labels for identification only.

These words, and the boxes around them are **not** part of the document.

You should **not** refer to them in your answers.



Lakeside,
Wrexham,
LL12 8PG

☎ 01978 777988
📄 01978 777989
✉ Towntheatre@interserv.co.uk

21st April 2006

Dear <<Title>> <<Surname>>,

Please find enclosed our Spring Programme of Events and subscription renewal form for Friends of Town Theatre. As you will see, one of the highlights of the season is the production of 'Dance, Drums and Dreams' by the world famous African theatre company 'Africanvas'. This exciting new musical has received exceptional reviews from the world's press, including this quote from *Stage One* magazine:

'Africanvas perform yet another exciting feast of song and dance, with a gripping storyline. The powerful beat of the music and energetic dancing make this an intoxicating experience, leaving your feet tapping long after the curtain call.'

Please book your tickets early to avoid disappointment. Renewal to Friends of Town Theatre is now due - remember to complete the enclosed form and return it with your cheque to receive special member ticket prices, advanced booking and opportunities to meet the cast after selected productions.

Thank you for your continued support. We look forward to hearing from you.

Yours sincerely,

Janet Thomas,
Theatre Manager.

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Friends of Town Theatre

Become a friend of Town Theatre and get:

- 1. Reduced price tickets**
- 2. Advanced booking**
- 3. Invitations to special 'Friends' events**
- 4. A regular newsletter**

Annual Membership Rates:

- Single £15**
- Joint £25**
- Junior £10**

***MEMBERSHIP FORMS AVAILABLE FROM
THE BOX OFFICE***