Coimisiún na Scrúduithe Stáit
State Examinations Commission

Leaving Certificate Applied 2016

Marking Scheme

Information and Communication Technology

Common Level

Note to teachers and students on the use of published marking schemes

Marking schemes published by the State Examinations Commission are not intended to be standalone documents. They are an essential resource for examiners who receive training in the correct interpretation and application of the scheme. This training involves, among other things, marking samples of student work and discussing the marks awarded, so as to clarify the correct application of the scheme. The work of examiners is subsequently monitored by Advising Examiners to ensure consistent and accurate application of the marking scheme. This process is overseen by the Chief Examiner, usually assisted by a Chief Advising Examiner. The Chief Examiner is the final authority regarding whether or not the marking scheme has been correctly applied to any piece of candidate work.

Marking schemes are working documents. While a draft marking scheme is prepared in advance of the examination, the scheme is not finalised until examiners have applied it to candidates' work and the feedback from all examiners has been collated and considered in light of the full range of responses of candidates, the overall level of difficulty of the examination and the need to maintain consistency in standards from year to year. This published document contains the finalised scheme, as it was applied to all candidates' work.

In the case of marking schemes that include model solutions or answers, it should be noted that these are not intended to be exhaustive. Variations and alternatives may also be acceptable. Examiners must consider all answers on their merits, and will have consulted with their Advising Examiners when in doubt.

Future Marking Schemes

Assumptions about future marking schemes on the basis of past schemes should be avoided. While the underlying assessment principles remain the same, the details of the marking of a particular type of question may change in the context of the contribution of that question to the overall examination in a given year. The Chief Examiner in any given year has the responsibility to determine how best to ensure the fair and accurate assessment of candidates' work and to ensure consistency in the standard of the assessment from year to year. Accordingly, aspects of the structure, detail and application of the marking scheme for a particular examination are subject to change from one year to the next without notice.

Section 1 - General Theory (80 marks)

(10 × 8 marks)

* *Below are some of the answers that may arise. Accept other correct answers.*

** *Ignore spelling if you know what the candidate is trying to express.*

1. Name **two** types of printer. (4, 4 marks)

- Laser/laserjet
- Inkjet/bubblejet/deskjet
- Dot matrix/line printer
- Daisy Wheel
- Drum
- Plotter
- Thermal printer
- All in one printer
- 3-D printer
- Impact
- Non-impact

- o Model/Make given = 0 marks (e.g HP 541F= 0 marks)
- o Black/White or colour = 0 marks
- o Jet/ink/toner = 0 marks
- o Wi-Fi/network/digital = 0 marks

2. Give **two** features of a *computer network.* (4, 4 marks)

- The idea of more than one computer
- Joined or connected
- Hardware sharing peripheral sharing (printer, scanner, programs etc.)
- Software/program sharing
- File sharing
- Network /Administrator manages
- Client/Workstation/Server
- WAN/LAN/WLAN (explained)
- Bus/Star/Ring/other topology
- Increased/more security with reason
- Cheaper than stand alone PCs with reason
- Software/program sharing
- Automatic software updates/patches
- Less upkeep/maintenance/easier network manageability
- Better record keeping
- Paperless office

- o Wi-Fi = 0
- o Cheaper/more secure = 0

3. Give **one** reason why you should *back up* a file. (8 marks)
    - Network/Electrical problems/power surge etc.
    - Stolen/theft of equipment
    - Loss of files/damaged files
    - Computer breaks/stolen
    - Virus (damage)
    - Fire damage etc.
    - Flood damage etc.
    - Mentions device used for back up (memory stick, cloud, CD etc.)
    o Copy = 0
    o Security = 0

4. State **two** ways in which a computer can be infected with a virus. (4, 4 marks)
    - Download from unknown sources
    - Opened suspicious/dodgy mail/site
    - (Clicked on links) in ads/banners/popups etc.
    - No AV software
    - AV not up to date
    - Firewall turned off/no firewall
    - Unsecure connection/no padlock symbol/not https site
    - Opened external storage device without checking etc.
    - Infected hardware/storage device
    - Infected software
    - Attachments

    o Downloading games/watching movies = 0 marks

5. What do the following letters stand for? (4, 4 marks)
    - RAM   Random Access Memory   *(all words correct for marks)*
    - ROM   Read Only Memory

6. What do the following letters stand for? (4, 4 marks)
    - CPU   Central Processing Unit   *(all words correct for marks)*
    - OS   Operating System

7. Give **two** examples of *computer software*. (4, 4 marks)
    - MS Office
    - Any office programs Word/Excel/Access/PowerPoint – allow 4 marks each)
    - Lotus SmartSuite (Word Perfect, Lotus 123, etc.).
    - Outlook Express/Outlook etc.
    - Mozilla Firefox/Google Chrome/Internet Explorer/Netscape Navigator etc.
    - Dreamweaver etc. (or other web software)
    - Photoshop, Draw, Paint
    - Window
    - iOS
    - Linus
    - Android OS

- Media Player, MovieMaker etc.
- Norton AV, Panda Security Anti-Virus etc.
- App names
- Drivers etc.
- Diagnostics tools – needs software name etc.
- App Names
- Games Names
- Software type (word processor, spreadsheet, app etc. – 4 marks each

  Not allowed a software type and program example for full marks (Excel Spreadsheet = 4 marks)

8. List two characteristics of Wi-Fi.   (4, 4 marks)
- Internet/access point/cyber/net
- Open/Free/log in/connect
- Password
- Wireless or defines wireless – no plugs etc
- Broadband
- McDonalds or similar café mentioned with online
- Wi-Fi icon/bars or similar symbol drawn

9. What do the following letters stand for?   (4, 4 marks)
- KB   Kilobyte   *(all words correct for marks)*
- MB   Megabyte

10. When working on a document, outline **three** steps needed to shut down a computer correctly.
                                                                                        (3, 3, 2 marks)

- Save/Save As/F12 etc.
- Close document/Click X
- Close Program/Word Processor
- Start/home screen/windows
- Log off
- Shut down/Power off

Section 2 - **Module 1: Word Processing** (80 marks)

11. **Word Processing Theory** (10 marks)

(a) What does each of the following proofreading symbols represent? (3, 3 marks)

(1) *lc*   lower case, small letters, not capitals.

(2) *del*   delete, erase, remove.
Accept text with ~~strikethrough~~ etc.

(b) Which **one** of the following keys should be used to indent text? (4 marks)

Enter	**Tab**
Shift	Spacebar

Accept Tab key symbol or Indent icon etc.

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12.   Practical Word Processing Assignment   (70 marks)

(a) Open file   3 marks

- Heading: **Bold,** Centre, All Caps, 36pt × 2 marks each (both word for marks) 8 marks

- Make 8 editing changes × 3 marks each   24 marks
  (1) Bold '**Google Drive**' on line 1.
  (2) Delete repeated 'data' on line 2.
  (3) Insert full stop after 'applications' on line 3.
  (4) Run on 1st and 2nd paragraphs - 'applications. One advantage ...' on line 3.
  (5) New paragraph to start at 'Some tablets make' on line 5.
  (6) Italics '*free*' on line 6.
  (7) Insert space 'remains on' on line 7
  (8) Change 'directly' to 'straight' on line 8.

  o Deduct 2 marks if no spaces after full stop in paragraph run on.
  o Deduct 2 marks if no free line/double return before new paragraph.
  o Deduct 2 marks if 2 spaces before New Paragraph not deleted.
  o Deduct 2 marks for any of (i) – (viii) if it incurs input errors not asked for.
  o Deduct 2 marks per error in this section if there are additional errors not asked for (to a max of 5 additional errors).

    Example 1: 8 edits = 24 marks but no spaces after full stop where paragraph joined = 24 – 2 = 22 marks.
    Example 2: 8 edits = 24 - 4 extra input errors = 24 – 8 = 16 marks.
    Example 3: 8 edits = 24 – 5 extra input errors = 24 – 10 (max) = 14 marks.

- 1.5 line spacing (full document) (Hit or Miss)   2 marks

- Full Justified (all text except heading & table) (Hit or Miss)   2 marks

(c) Date as right aligned header   (Hit or Miss)   2 marks
(doesn't have to be an autofield,-2 for input errors or if date typed incorrectly or not right aligned).

(d) Additional text inserted, full justified with 1.5 lines spacing   8 marks
  o Deduct 2 marks per error (caps, bold, 1½ line spacing, fully justified etc.)
  o Deduct 2 marks if text is on separate page or file
  o Deduct 2 marks if border added to text
  o Deduct 4 marks for each full line of text omitted

(e) 4 lines of text bulleted   4 marks
  o Deduct 2 marks for each line not bulleted or inconsistent bullet/indent.

(f) Table added to end of document (aligned on left margin)   8 marks
  o Deduct 2 marks per error (caps, bold, cell alignment, column width, row height, border style/colour/thickness, extra row/column etc.)
  o Deduct 2 marks if the table itself is centred, indented or right aligned
  o Deduct 2 marks if table is on separate page or file
  o Deduct 2 marks for each cell fully omitted

(g) Spell check   2 errors × 2 marks each   4 marks
  o Spelling error: aaddress/address – line 1
  o Spelling error: donwnload/download – line 6

(h) Centred automatic page numbering   **(Hit or Miss)**   2 marks
(-2 if not centred aligned or not at end page/footer)

(i) Print   3 marks

(Examination Number)

GOOGLE DRIVE

You can use **Google Drive**[1] if you have a Gmail email address. Google drive can be used from a PC, Tablet Phone or other mobile devices. It allows users to store data[2] in the Cloud. The applications have almost the same functions as Microsoft Office applications.[3] One[4] advantage of using the apps on Google Drive is that many users can edit one document at the same time. Files can easily be shared with other users using the file share facility.

[5]Google Drive is *free*[6]. The users can download Google Drive to their device and save files to it. A copy of the file remains on[7] the user's device and a copy is also sent to the Cloud. Documents can be uploaded straight[8] to the Cloud without having to save them to the Drive on the local device.

* Fully justified, - except heading & table
* 1½ line spacing for full document

Google in Education

Google offers students a wide range of apps that can be accessed from the Cloud:

- Google Docs
- Google Sheets
- Google Slides
- Google Forms

Microsoft	Google
Word	Docs
Excel	Sheets
PowerPoint	Slides

1 (at end of page/footer/centred)

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[1] Bold **Google Drive**
[2] Delete repeated word 'data'
[3] Insert full stop after applications
[4] Join par 1 and par 2
[5] New par after facility.
[6] Italics *free*
[7] Insert space in 'remains on'
[8] Replace 'directly' with 'straight'

1. Spelling error - address
2. Spelling error - download

Marking

- Circle input errors with red pen and count up before multiplying by 2

- Mark '3' in red biro in right hand margin beside each correct edit and a '0' in right hand margin beside each edit not completed. There will be a 3 or a 0 in the right margin beside each of the 8 edits. Put a line under the final 3 or 0 and add to get a total (24 for example). Next add the errors (eg. 7 errors) and take away from 24, example 24 – 14 = 10 marks.

- 8 marks each are awarded for inputting both the table and text correctly. The candidate loses 2 marks per error. These errors include punctuation, capitals, border style, alignment, spaces, bold etc. A candidate may lose **all** 8 marks in each of these sections if there are 4+ errors. They are copying tasks and therefore accuracy is of key importance.

- Similar procedure for other practical assignments.

Module 2: Spreadsheet   (80 marks)

13.   Spreadsheet Theory   (10 marks)

(a) Examine the spreadsheet below which shows the number of tests   (4 marks)
and retests carried out in an NCT centre.

What formula should be entered in **C2** to calculate the total number of cars tested?

**=A2+B2 or
=sum(A2:B2)**

- Award full marks if no '=' sign or brackets used
- Accept caps or lowercase

o   Award 0 marks for calculated answer of 117.

(b) What calculations do the following symbols perform?   (2, 2, 2 marks)

Symbol	Calculation
+	Addition/Add/Plus/Sum
*	Multiply/Product
/	divide

o   **By/into/times = 0 marks**

14.   Practical Spreadsheet Assignment   (70 marks)

(a) Setup spreadsheet. Align and format the spreadsheet as shown.   16 marks
     Adjust column widths as necessary. (-2 per error)

- Deduct 2 marks per error to a max of 8 errors (all marks lost)
- Deduct 2 marks for each column not wide enough/too wide
- Deduct 2 marks for starting data in incorrect cell
- Deduct 2 marks per alignment error per selection
- Deduct 2 marks per cell not emboldened
- Deduct 5 marks for full Row 3 if not bold or no caps anywhere

	A	B	C	D
1	IT Room			
2				
3	**Equipment**	**Unit Price**	**Quantity**	**Total**
4	Poster	€ 20.00	3	€ 60.00
5	Book Stand	€ 15.00	30	€ 450.00
6	Network Printer	€ 750.00	8	€ 6,000.00
7	Clicker	€ 40.00	2	€ 80.00
8	USB Memory Stick	€ 15.00	30	€ 450.00
9	Mouse Mat	€ 20.00	30	€ 600.00
10	Storage Cabinet	€ 500.00	2	€ 1,000.00
11	**Average Equipment Price**	**€ 194.29**	**Subtotal**	€ 8,640.00
12			**VAT at 23%**	€ 1,987.20
13				
14			**Final Total**	€ 10,627.20
15	Examination Number			

(b) Calculate **Total** in D5 and fill down.   7 marks
              (-1 per incorrect calculation, to a max of 5 marks lost)

(c) Calculate **Subtotal** in D12 and fill down.   (€8640.00)   5 marks
              (-1 per incorrect calculation, to a max of 5 marks lost)

(d) Calculate **VAT at 23%** in D13 and fill down.   (€1987.20)   5 marks
              (-1 per incorrect calculation, to a max of 5 marks lost)

(e) Calculate **Final Total Home Pay** in D14 and fill down.   (€10627.20)   5 marks

(f) (1) Calculate **Average Equipment Price** in B12   (€194.29)   5 marks

   (2) Formula in B12   (Hit or Miss) 2 marks
            =average(B5:B11) or   =sum(B5:B11)/7

- Full marks if '=' sign omitted
- Full marks if incorrect answer in B12 but formula corresponds to answer
- Full marks if spreadsheet printed (2nd copy) with formulas displayed
- Accept CAPS or lowercase
- 0 marks if calculated answer of 194.29 given.

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(g) Format all money amounts to currency with 2 decimal places   4 marks
- 2 marks for € currency symbol in all cells (Hit or Miss)
- 2 marks for two decimal places in all cells (Hit or Miss)
- 0 marks if Quantity column has € currency symbol and decimal places

(h) Insert your Examination Number in A15   0 marks

(i) Delete Row 4 (No blank Row underneath Equipment)   4 marks

(j) Create a column chart that displays **Total** for each piece of **Equipment**.   10 marks, Attempt 3
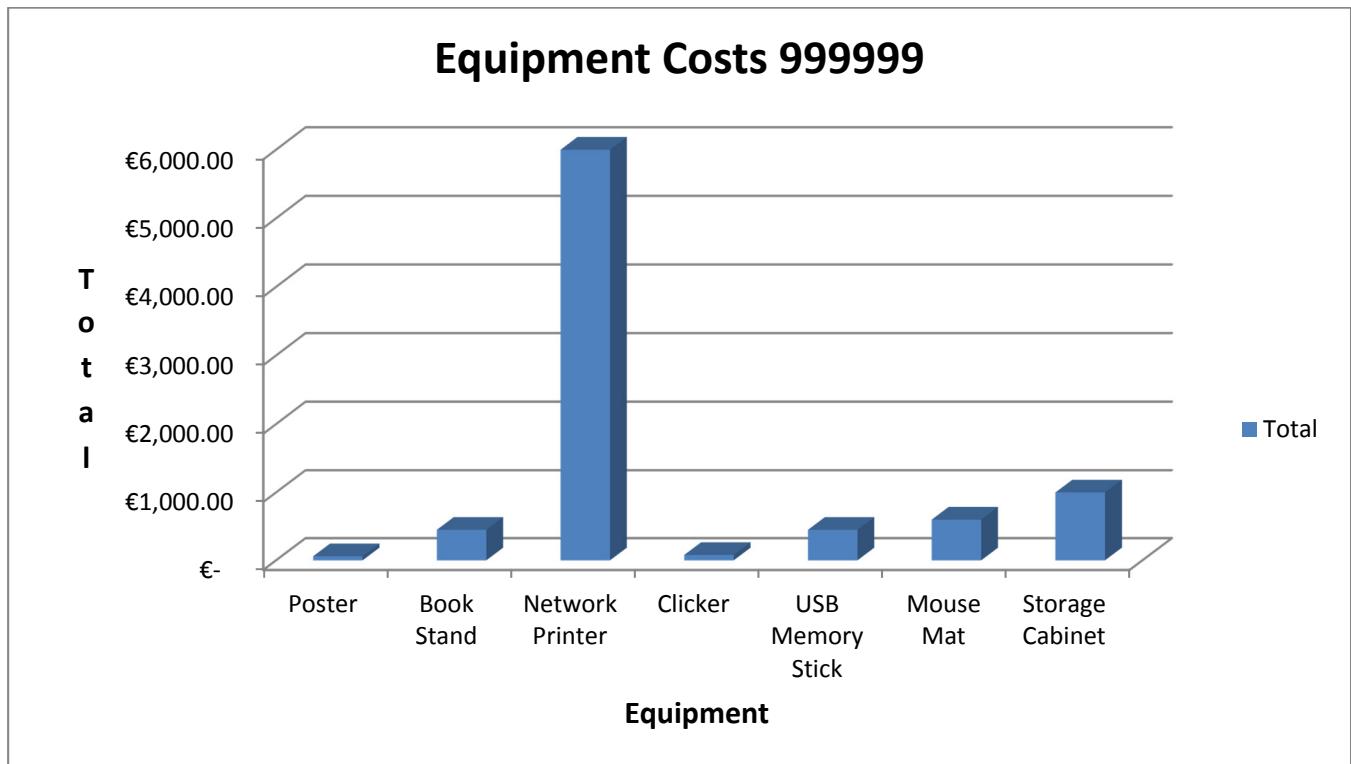
- Deduct 2 marks if line/bar/pie/other chart is presented displaying all data
- Deduct 2 marks for each missing item (chart title -2, exam number -2, missing column -2, extra bar -2, legend not necessary if both axes suitably labelled.)
- Deduct 2 marks if both axes not labelled (-2) OR no legend (-2). Both legend and axes labelled are not necessary for the full 10 marks.
- Accept chart as separate printout or with original spreadsheet.

(k) Insert a blank row between Row 13 and Row 14 (Exam number now on Row 15).   4 marks

- **Accept on either side of Final Total Row in case student performed in wrong**

    order

(l) Print   3 marks

(m) Save as **ITROOM**   0 marks

Module 3: Databases   (80 marks)

15.   Database Theory   (10 marks)

(a) Which **one** of the following holds a single piece of data?   5 marks

Table	Record	**Field**

(b) Study the table below. Which field is the table sorted by?   5 marks

FirstName	LastName	DOB	Paid
Alan	Brogan	22/05/1996	€125.00
Martha	Stewart	02//07/1998	€116.00
Jim	Carr	12/06/1999	€138.00

16. Practical Database Assignment (70 marks)

(a) Open file   3 marks

Original Input with column added

Brand	Cost	Colour	Platform	Functions	Warranty
W3	€129.00	Black	Android	Many	3
Gear 2	€299.00	Silver	Android	Many	2
Movado	€239.00	White	Android	Few	3
Apple Watch	€299.00	White	OS	Many	3
Pebble	€319.00	Silver	Android	Many	1
Sony	€199.00	Black	Android	Few	2

(b) Add new **Warranty** field (number, no decimal places) after **Functions** field.   5 marks
- Deduct 2 marks if field not after **Functions** field or in wrong position
- Deduct 2 marks if incorrectly named (input errors, caps, spelling)
- Deduct 2 marks if incorrect data type (therefore incorrectly aligned
- Deduct 2 marks if incorrect width or not wide enough to display data
- Deduct 2 marks if entered in separate database/table

(c) Add data to the **Warranty** field   8 marks
- Deduct 2 marks per input error or per cell omitted to a max of 4 errors

(d) Add three records   15 marks

Brand	Cost	Colour	Platform	Functions	Warranty
Omate Racer	€279.00	Black	Android	Few	1
Garmin	€299.00	Silver	Android	Many	3
TAG Connected	€1000.00	Silver	Android	Many	3

- Deduct 2 marks per input error
- Deduct 2 marks if entered in separate database
- Deduct 5 marks per complete record omitted

(e) Amend **W3** record. **Cost** = €179 and **Functions** = Few.   3, 3 marks

(f) Delete **Movado** record (Hit or Miss)   5 marks
- If record is still present with all fields empty, 0 marks

(g) Sort **ascending** by **Brand**   5 marks
- -2 if sorted descending
- 0 marks if sorted ascending by another field

(h) Print amended database   (10 records, 5 columns)   3 marks
- Don't penalise if Examination Number added as additional record on the database as this is often done for ID purpose only.

Printout 1 (New Warranty field, 3 records added, 2 edits on W3 & Movado deleted)

Brand Ascending ↕

Brand	Cost	Colour	Platform	Functions	Warranty
Apple Watch	€299.00	White	iOS	Many	3
Garmin	**€299.00**	**Silver**	**Android**	**Many**	**3**
Gear 2	€299.00	Silver	Android	Many	2
Omate Racer	**€279.00**	**Black**	**Android**	**Few**	**1**
Pebble	€319.00	Silver	Android	Many	1
Sony	€199.00	Black	Android	Few	2
TAG Connected	**€1000.00**	**Silver**	**Android**	**Many**	**3**
W3	**€179.00**	Black	Android	**Few**	3

- Don't penalise if Examination Number added as additional record on the database as this is often done for ID purpose only.

(i) Query/Filter of **Warranty** = 3   15 marks
- Consistent with printout from (h) above
- Deduct 2 marks for each field/column omitted or repeated
- Accept any incorrect data entry from (d) and (e) above.

Sorted **descending** by **Cost**   5 marks
- -2 if sorted ascending
- 0 marks if sorted ascending on another field

Printout 2 (Query/Filter – Warranty = 3, Cost Descending)

Cost Descending ↕

Brand	Cost	Colour	Platform	Functions	Warranty
TAG Connected	**€1000.00**	**Silver**	**Android**	**Many**	**3**
Apple Watch	€299.00	White	iOS	Many	3
Garmin	**€299.00**	**Silver**	**Android**	**Many**	**3**
W3	**€179.00**	Black	Android	**Few**	3

- Don't penalise if Examination Number added as additional record on query/filter as this is often done for ID purpose only.

(j) Save filter/query   0 marks

(k) Save file and close   0 marks

Module 4: Desktop Publishing   (80 marks)

17.   Desktop Publishing Theory   (10 marks)

(a) State **two** uses of Desktop Publishing software in a hotel.   6 marks
                                                              (3, 3 marks)

- Dinner Menu
- Kids club leaflet
- Compliments slip
- Newsletter
- Poster
- Greeting card
- Publication type etc.

(b) Which **one** of the following is a commonly used format for digital photographs?
                                                              4 marks

AVI	**JPEG**	PUB

18.   Practical Desktop Publishing Assignment   (70 marks)

(a) Text inserted into new document   2 marks   (8 marks)
      Graphic Inserted   2 marks
      Correct Size   2 marks
      Correct Position/Wrapping   2 marks

(c) Insert heading – **Sale Now On**   (8 marks)
      Centred & Arial (both)   2 marks
      ALL CAPS   2 marks
      36pt   2 marks
      Bold   2 marks

(d) Apply any grey shading to the text **Sale Now On**.   2 marks   (2 marks)

(e) Centre the text **1 Day Only** and format as Arial, 24pt, bold.   (6 marks)
      Centred & Arial (both)   2 marks
      24pt   2 marks
      Bold   2 marks

(f) Centre **Monday, 26 December 2016** and format as Times New Roman, 30pt.   (4 marks)
      Centred & Times New Roman (both)   2 marks
      30pt   2 marks

(g) Centre the text **9:00 am – 9:00 pm** and format as Arial, 24pt, italics.   (6 marks)
      Centred & Arial (both)   2 marks
      24pt   2 marks
      Italics   2 marks

(h) Centre the list of Smart watches and format as Arial, 28pt, bold.   (6 marks)
      Centred & Arial (both)   2 marks
      28pt   2 marks
      Bold   2 marks

(i) Centre **Free Draw to win a Smart Watch**, format as Arial, underline, 20pt.   (6 marks)
      Centred & Arial (both)   2 marks
      Underline   2 marks
      20pt   2 marks

(j) Insert a piece of WordArt with shading, using text **Limited Stock Available**.   (6 marks)
      Text input correct   2 marks
      Shadow correct   2 marks
      Correct approximate size & position & shape   2 marks

(k) Smiley Face & Star Banner autoshape inserted.   (6 marks)
      Smiley Face inserted   2 marks
      Star Banner autoshape inserted   2 marks
      Both correct size & position   2 marks

(l) Put a double line border, similar to the one shown, around the entire page.   (2 marks)
      Double line border inserted around entire page   2 marks

(m) Save and Print   3 marks   (3 marks)

      7 marks for excellent layout, 3 marks for good layout, 0 marks otherwise   0, 3, 7   (7 marks)

-2 each time for input errors in (c) .. (l) for errors in that section.

15

Module 5: The Internet (80 marks)

19. Internet Theory (10 marks)

(a) State **two** pieces of information necessary to access an email account. (3, 3 marks)

- Email address or example of an email address
- Password
- Security information/questions
- Server website etc. (Hotmail.com or Gmail.com etc)

  Email = 0
  Address = 0
  Gmail = 0
  Login = 0

(b) What do the letters **URL** stand for? (4 marks)
- URL – Uniform Resource Locator (all words correct)

20.   Practical Internet Assignment   (70 marks)

Task 1   25 marks

(a) Log on to the Internet (home page printed or any internet page and no more).   5 marks

(b) Open any **one** of the following sites.   10 marks
   - www.daft.ie
   - www.myhome.ie

(c) Save a picture of any property as **HOUSE** Marks given later in Task 3(e)   0 marks

(d) Find a page that shows **contact information.**   10 marks

Print the first page on *contact information* .   Screenshot printouts fully acceptable
   - Need to see logo or name of website on printout (not a search result page)
   - Deduct 10 marks if one of the websites above doesn't appear on page.
   - Deduct 10 marks if contact information doesn't appear on page.
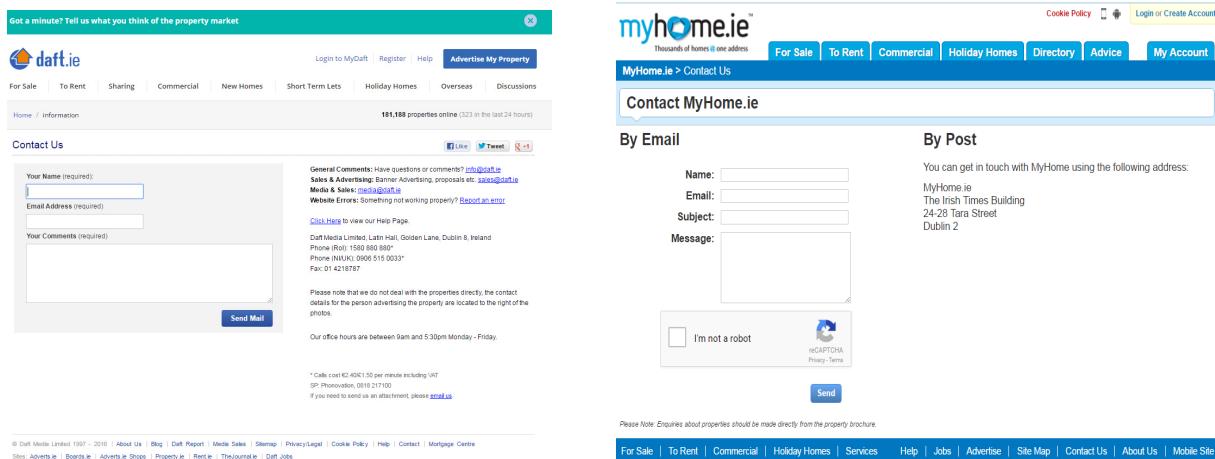
Task 2   20 marks

(a) Use any search engine to find information on **Holidays** in **Ireland**.
(b) Print first page
   - Holidays + Ireland (<u>both</u> words visible anywhere on page for 20 marks)   20 marks
     - Holidays OR Ireland only = 10 marks (accept vacation/break/Kerry/Galway etc.)
     - Google search page only with both words = 10 marks
     - Google search page with one of the search words = 5 marks

Task 3   25 marks

(a) 'To' field correct (address given on form EM1)   4 marks

(b) 'CC' field correct   (2nd email address not same as (a)   4 marks

(c) 'Subject' field correct (*House Picture* – italics not necessary/not penalised) 4 marks
    (Deduct 2 marks for input error in (a), (b), and (c) to a max of 2 errors in each)

(d) Compose email as per given text   6 marks
    (Deduct 2 marks per error to a max of 3 errors, ignore space after colon)

> Hi Jo,
> I have attached a picture of the house we are hoping to rent. What do you think?
> Signed: (Your Examination Number)

(e) (f)**Picture file** from 1(c) attached (any attachment = 2 marks, image format = 2 marks) 4 marks

(f) Print email (full marks if printed before sent or screenshot printed).   3 marks

Module 6: Text Entry (80 marks)

21. Text Entry Theory (10 marks)

- Hit or Miss – 1 mark for each error identified to a maximum of 10 marks.
- Accept passage retyped with all errors corrected or identified.

Google Self Driving Cars

Gooogle have designed a car know as Google Car. The car is a Self Driving caar. All the driver has to do is push a button and the car will do the driving leaving you free todo other tasks while in the car.

Google have tested the cars and have driven over 1 million miles. each car has a safety driver. The safety driver

monitors the performance of the car and its decision making.

The car have sensors that detect objects in all directions including cyclists, pedestrians, vehicles, shopping Bags, birds etc.

Google Self Driving cars are due due to be available for purchase from 2017.The car will be off benefit to visually impaired drivers as it will make all the decisions for the driver. The softwear in the car selects the corrected speed.

Errors
1. Google
2. known
3. car
4. to do
5. Each
6. monitors – move back up to the safety driver
7. it's
8. cars have or car has
9. bags
10. due – repeated work
11. 2 spaces before 'The car…'
12. of benefit
13. software
14. correct speed

22. Practical Text Entry Assignment (70 marks)

TASK 1   Data Entry Test   (35 marks)

(a) Type your Examination Number   0 marks

(b) Type the passage using:

• Arial throughout	(Hit or Miss)	2 marks
• 12 pt throughout	(Hit or Miss)	2 marks
• 1½ line spacing throughout	(Hit or Miss)	2 marks
• Text entered accurately		14 marks

Deduct 2 marks per error including caps, returns etc. to a max of 7 errors

Deduct 4 marks if full line omitted

(c) Format text as shown below. (All Hit or Miss for marks)

• Line 1 – **smart watch**: Bold	(both words for 2 marks)	2 marks
• Line 4 – <u>wearable computers:</u>	(both words for 2 marks)	2 marks
• Line 5 – "watch phones" inverted commas correctly used		2 marks
• Line 8 – W^4: Superscript		2 marks
• Line 8 - *most*: Italics		2 marks
• Line 9 - €		2 marks

(d) Print   3 marks

- Check spaces before and after all punctuation marks.
- Check capitalised words
- Check spacing in hyphenated words
- WIFI = all caps = -4, 2 input errors

TASK 2   **Creating a Flyer/Poster**   **(35 marks)**

(a)   Type your Examination Number   0 marks

(b)   Create a flyer/poster for a Smart Watch Demo using the following information. 0 marks

(Examination Number)	
Smart Watch Demo	centred + 3 other enhancements
Tech Shop	6 lines are left align, Arial, 20pt, bold
Ann Street	
Dublin	
Date: 8th July 2016	
Time: 9:00 am	
Venue: Boardroom	
Admission FREE	centre, Arial, 16p, bold
10 watches to be won	centre and suitable format

(c)   Smart Watch Demo – centre + 3 enhancements that will make it stand out.   (8 marks)
- Centred   2 marks
- 3 other enhancements   2, 2, 2 marks

(d)   Shop Name, Address, Date, Time and Venue - Arial, 20 pt & bold.   (6 marks)
- Arial   2 marks
- 20 pt   2 marks
- Bold   2 marks

(e)   Admission FREE: Centred, Arial, 16 pt & bold.   (8 marks)
- Centred   2 marks
- Arial   2 marks
- 16 pt   2 marks
- Bold   2 marks

(f)   Format the remaining text by centring (and applying a suitable format).   (2 marks)
- Remaining text centred

(g)   Flyer fits on an A4 page, with good use of white space.   (6 marks)

- Attractive Layout/Balance of presentation   0, 3, 6 depending on quality

(h)   Art border around full page   (2 marks)
- Art border around full page   2 marks

(i)   Save the file as **FLYER** and print one copy.   (3 marks)

-2 each time for input errors, as per Question 12.

Smart Watch Demo

Tech Shop
Ann Street
Dublin

Date: 8th July 2016

Time: 9:00 am

Venue: Boardroom

Admission FREE

10 watches to be won