National Council for Vocational Awards

Information Technology CITXX

(Clonmel Central Technical Institute)

PC Construction & Repair

L21446

Sample Exam

Answer any five questions from Section A (40%)
Answer any two questions from Section B (30%)
Answer both questions in Section C (10%)
Carry out the task in Section D (20%)

Time allowed: 2 hours

Section A (40%)

Answer any 5 questions. All questions carry equal marks.

1. What is the POST and what function does it serve?

2. What is the capacity of a CD-RW ***drive***?

3. Under Linux if X-Windows freezes or fails to respond, what key combination restarts the X-server?

4. Under Microsoft Windows 2000 when the username and password are provided the PC will typically log on to the network Domain. What step should you take to log onto the local machine only?

5. Name one tabbed browser.

6. How do you access the CLI under Linux?

7. What is the Linux commands to create and remove directories?

8. What is the function of the Windows registry? What risks are associated with directly editing the registry?

Section B (30%)

Answer any 2 questions. All questions carry equal marks.

1. A customer has brought in a computer which constantly gives the error "Non-system disk or disk error". What is the most likely solution to this problem? If the obvious/most likely solution is not appropriate, what are other possible causes of the error?

2. A friend has purchased a new USB printer and has asked you to install it for him. Outline the sequence of steps that you might follow to complete the process.

3. A user has added a new cd-burner to his system. He now finds that he cannot start the computer at all. The system hangs at startup. What could be wrong? What steps should be taken to rectify the problem.

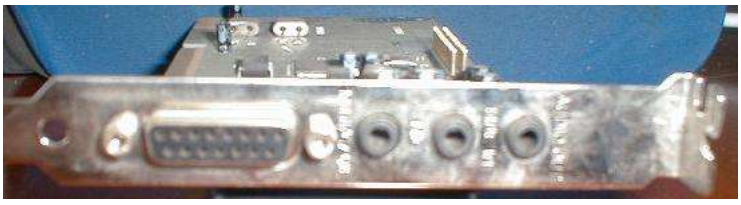
4. A client bought a new computer and wants to make a home network using the new and old computers. What extra hardware components are likely to be required. What steps might you take if the network appears not to work correctly.

Section C (10%)

Answer both Questions.

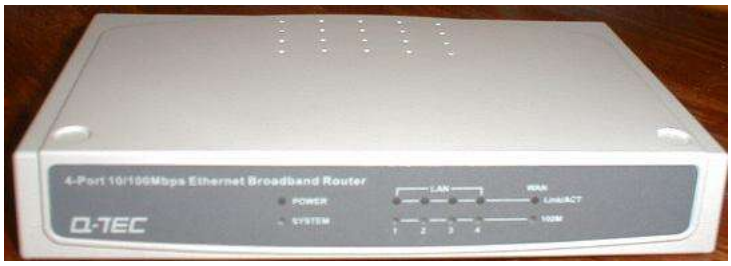
1. (a) What type of device is this? What function does it carry out in a PC?

(b) What type of device is this? What is it used for?



2. (a) What are the items labelled **A** and **B** in this phograph.

(b) What is the function of the device shown on the right. Where might it be used?



Section D (20%)

(this is the same question as on the 1999 paper).
A friend of yours wants to buy a new computer. All of the offers in the newspapers are very confusing to him, as he has no previous experience with computers. These offers all include components which he isn't sure that he needs. Equally he's worried about buying a computer which is missing components that he'll later require.

Primarily he states that he'll want to use the computer in support of his role as general secretary of the County Badminton Club. He expects that he'll need to be able to generate and print letters, create fixture lists, do some simple accounts, produce posters announcing fixtures, send e-mail, use the WWW etc.

He has two adverts in hand and wishes to order one of these **now**.

The two adverts are attached. The first is from The Irish Times of Friday April 23rd and is for a DELL brand computer. The second is from The Irish Times of Monday April 26th and is for a Gateway 2000 brand computer.

You must recommend, based upon available data, which computer he should buy. State reasons for your decision. Compare the products advertised under system features, package features, appropriateness to your friends' requirements, value for money *etc.* and any other headings you consider relevant.

TOTAL HOME/OFFICE PACKAGE. TOTALLY BRILLIANT PRICE.

3 YEAR SERVICE

Dell® Dimension™ V433c

- **Intel® Celeron™ processor 433MHz**
- 64MB SDRAM
- 128KB full speed Cache
- 9.1GB ATA-33 Hard Drive
- **17" Colour SVGA Monitor**
  (0.28 Dot Pitch, 15.9" Viewable Area)
- Mini tower chassis

intel inside
celeron™
PROCESSOR

+

DVD Sub-system

- Integrated ATI 8MB AGP Graphics
- 4.8 x DVD ROM with software decoding
- Integrated Yamaha 64 Sound Card
- Harmon Kardon 195 speakers

FREE Upgrade from 15" Monitor

+

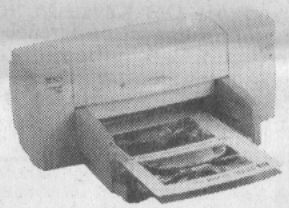
High Speed Internet

- US Robotics 56KB/s V90 modem
- **FREE** Indigo 30-day Internet connection software *(excluding phone charges)*

Inc. £70 OFF

+

- **HP DESKJET 420c colour printer**



+

Software Pack comprising:

- Microsoft® Windows '98
- Microsoft® Works Suite 99

Dell Gamer Elite

- RAGE Incoming
- Microprose Civilisation II
- EIDOS Flight Unlimited II
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This is just about everything you need for your home office system. The Dell® Dimension™ V433c with an Intel® Celeron™ processor 433MHz plus a high quality colour printer **and** great software titles for work and play. All in all, a brilliant value package. Only available from Dell. So call NOW for yours.

* £50 off applicable only when the Dell Dimension V433c system advertised is ordered on the internet.

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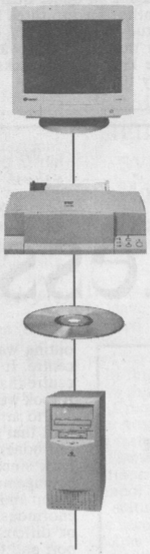
Gain muscle without adding pounds.

FREE UP-GRADE TO THE LATEST INTEL® PROCESSOR

When we upgraded this G6 Multimedia PC package with the latest Intel® Celeron™ 466MHz processor we made a great deal incredible. Because this package already comes with an Epson colour printer and a 17" monitor.

Now, you'll always have enough muscle to tackle the 21st Century. Call Gateway now and have it your way, without adding pounds.



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- Intel Celeron Processor, 466MHz
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