

SEC	C '94-PAPER 1-Q10	
Exp	plain the terms:	
WA	AN	[1]
LA	N	[1]
A c var adv	company has a number of offices in one large building. All computers in the rious offices are connected via a LAN. Identify and briefly explain THREE vantages of using a LAN rather than having standalone PCs in each office.	_ [2]
2.		_ _ [2]
3.		- [2]

2 SEC '94-PAPER 2A-Q5 (CONSULT CH 15)

A small secondary school is planning to install a computer laboratory to be used not only for teaching computing, but other subjects as well

	(a) The school has been offered two options – either to buy standalone computers or to buy a network. Discuss the advantages and disadvantages of these options.		
	Suppose there is only a single printer connected to a LAN, which all users can use. Briefly explain how the LAN ensures that the printouts of different users do not become all mixed up.	[4]	
	Describe how the computer laboratory can be of use in teaching any two subjects of your choice (besides computing).	[6]	
(d)	What are the advantages of CAL (computer aided learning) from:		
	i. the teacher's point of view	[2]	
	ii. the student's point of view	[2]	

Writing Space for Previous Question	

3	SE	C '95-PAPER 2A-Q6 (CONSULT CH 8)	
	(a)	Briefly describe an electronic mailing (E-Mail) system	[4]
		State THREE advantages of using electronic mail instead of the normal postal services.	[3]
	(c)	Despite the advent of E-Mail, postal and fax services are still very much in use. Discuss.	[5]
	(d)	Describe the hardware and software required for two computers to communicate over standard telephone lines.	Γ Q 1
			[8]

Writing Space for Previous Question	

,	SEC '97-PAPER 2A-Q3 A company RVQ employs 10 people. It has one central office where each employees needs to make use of the computer system to carry out his or her work. A network is installed in the office.	
	(a) What type of network is used for such a set-up?	[1]
	(b) What advantages does a networked system has compared with a number of stand-alone computers for the running of the business?	[4]
	One of the stations of the network acts as a FILE SERVER while yet another acts as a PRINT SERVER	
	(c) What is meant by file server and print server?	[4]
	(d) State and describe briefly TWO features of a network operating system.	[4]
	(e) One of the employees performs network management as part of his working duties. Comment on the fact that a single person has the central responsibility of maintaining the system.	[4]

Writing Space for Previous Question	

SEC '98-PAPER 2A-Q6		
(a) What is the Internet?		[1]
(b) Name THREE typical uses of	the Internet.	[3]
(c) Identify the hardware and soft	ware requirements for a home user to access	[5]
the Internet		
(d) Great emphasis is nowadays b	eing made on secure data transfers over the	[4]
Internet. Why is this so?		
(e) What is video-conferencing?		[2]
(f) Name TWO application areas	where video-conferencing might be used.	[2]
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SEC '99-PAPER 2A-Q4BC	
(b) Data sharing is one of the advantages of a <i>LAN</i> environment.	
i. What is <i>LAN</i> ?	[1]
ii. Mention one other advantage and two disadvantages of having a <i>LAN</i> system.	[3]
(c) The Internet is an example of a WAN	
i. What is a WAN?	[1]
One common use of the Internet is for Email.	
 ii. Mention one advantage and one disadvantage of email compared to the usual postage services. 	[2]
iii. Briefly describe two other uses the Internet has in the home.	[2]
iv. Mention one item of hardware and one item of software which are required to access the Internet from home.	[2]

Writing Space for Previous Question	

7 SEC '00-PAPER 2A-Q2

Peter is scheduled to go cross-country cycle touring these summer holidays. He used his computer to plan his trip. Initially he surfed the **Internet** to collect information on the places he wished to visit. In order to do this he made use of the various **search engines** available on the **WWW**. On establishing the exact dates of travel he used **email** to book overnight stays at guesthouses along his route. He was given a number of lodging discounts when quoting certain web sites advertising tourist accommodation facilities.

[4]

[2]

[4]

[4]

[3]

(i)	Explain the highlighted terms in the above paragraph.
(ii)	Name two other uses (apart from surfing and email) of the Internet.
(iii)	Identify the hardware and software requirements for Internet connection.
(iv)	Name two advantages and two disadvantages of using email.
(v)	When making bookings Peter was cautious when required to send his
	credit card number over the Internet. Why?

Writing Space for Previous Question		

8 SEC '00-PAPER 2B-Q6

(a)	disadvantage in the use of networks in small businesses.		
(b)	Describe the minimum hardware and software requirements to be able to	[4]	
(0)	_	۲۰,	
	connect to and use the INTERNET from a home computer.	507	
(c)	What security precautions are usually taken when downloading items from	[8]	
	web sites? Why are these necessary?		

Writing Space for Previous Question		

SEC	OI-PAPER I-QI (CONSULT CH 3)	
Wha	at is each of the following called?	
(i)	A software program used to view information on the World Wide Web	[1
(ii)	A computer program used to model a real life situation	[1
(iii)	A program designed to damage or alter data in computer systems	[1
(iv)	The illegal copying and distribution of data	[1
(v)	A technique to prevent data from being read and understood by unauthorised users.	[1

10 SEC '01-PAPER 1-Q13

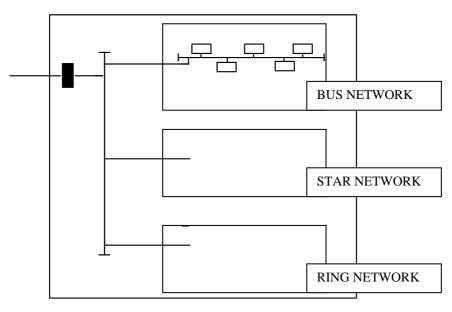
This question is related to networking

Data may be transferred from one computer to another by using a floppy disk, a LAN or a modem. Assume all THREE methods are available to you. For EACH method, give a clear example demonstrating the circumstances under which it would be the method chosen.

Using a floppy disk:	
	[2]
Using a LAN:	
	[2]
Using a modem:	
	[2]

The diagram below shows three local area networks within the same building. The local area networks have been combined to form a larger network. In the diagram the Bus network with five nodes has been drawn. Draw Ring and Star networks in the appropriately labeled boxes in the diagram. Include five nodes in each network.

[2]



11	SEC	C '01-PAPER 2A-Q5	
	(a)	What is a network?	[1]
	(b)	Identify TWO advantages and TWO disadvantages of using a network.	[4]
	(c)	Distinguish between LAN and WAN	[2]
	The	Internet is an example of a WAN	
	(d)	Mention THREE uses of the Internet and briefly describe the function of each.	[6]
	(e)	Identify the hardware and software needed for a private individual at home to connect to the Internet making use of an Internet Service Provider.	[4]

Writing Space for Previous Question		

12 SEC '02-PAPER 1-Q5

Write on the booklet provided the appropriate word that fits the blanks in the passage corresponding to the number in the blank space. Each word may be used once, twice or not at all.

Viruses	email	scan	search engine	modem
URL	address	scanner	Explorer	password
dial-up	username	browser	Internet service	e provider

To access the Internet from home a user would require a personal computer, a telephone line and a ...(i)... to convert digital signals into analogue signals. The user should also have an account with an ...(ii)... to connect his computer to the global network. When he attempts to connect using his ...(iii)... program he is asked to input his ...(iv)... and ...(v)... Once connected the user would open his ...(vi)... to type in a ...(vii)... and view information available on a website. While on line the user may use a ...(viii)... to look for particular websites. The user may also decide to download some software onto his PC. Once downloaded he would ...(ix)... the programs for any ...(x)... before running them.

i.	
vii.	
viii.	
ix.	
х.	

SEC	C '02-PAPER 2A-Q2	
i.	Differentiate between the terms Internet and World Wide Web (WWW).	[2
ii.	What software enables you to view web pages?	[1
iii.	Web sites may serve different purposes for different people. Identify two	[4
	different reasons for building a web site.	
iv.	Apart from text and graphics, what other types of media may be included in	[2
	web pages?	
v.	Identify two features that should be provided on the home page of a web	[2
	site.	
vi.	Why might you see adverts on published web pages?	[2
vii.	Name and briefly describe two other uses of the Internet.	[4

Writing Space for Previous Question		

14 SEC '02-PAPER 2B-Q3

(a) For each of the devices below, state whether they are Input, Output or	
Secondary storage devices and explain where they are used.	
• Mouse	
Optical Mark Recorder (OMR)	
• CD-ROM	
• CD-ROM	
• Plotter	
Graphics Tablet	[10]
(b) Explain what hardware devices you would expect to use if you were design-	
ing your own home-page to publish on the web and that will include multi-	[7]
media content.	
	

Writing Space for Previous Question	

Explain the following terms: a. Internet [2] b. Videoconferencing [2] c. E-commerce [2]

15

16 SEC '03-PAPER 1 Q12 (CONSULT CH 4)

State ONE similarity and ONE difference between each of the following pairs:	
a. CD and DVD	[2]
b. Touch screen and touch pad	[2]
c. LAN and WAN	[2]
d. File server and printer server	[2]

17 SEC '04-PAPER 1 Q7 (CONSULT CH 8)

7.

Computer hardware can be linked up to form networks. a. Give TWO advantages a network has over stand-alone computers.	[2]
b. LAN and WAN are two different types of networks.	[1]
i. What does LAN stand for?	[±]
ii. Give the main difference between a LAN and a WAN.	[2]
c. Telephone lines are one of the communication media used to transfer data on a network. Identify another THREE types of media used to send data across a network.	[3]
d. Name ONE additional item of hardware that is required to connect a computer to a network.	[1]

18 SEC '04-PAPER 1 Q9

9.	The Internet provides very useful services.	
	a. Give THREE potential hazards when using the services provided on the Internet.	[3]
	b. What is the purpose of a search engine?	[2]
	c. Email is available on the Internet and private networks. What is email?	[2]
	d. Give ONE disadvantage, other than the cost of buying a computer, of using email services.	[1]

19 SEC '04-PAPER 2A Q2 (CONSULT CH 4)

The computer and other technology.

As a qualified accountant she has a **teleworking** job with a local firm.

On-line shopping provided by local supermarkets and other shopping outlets enable her to make orders for goods which are later delivered directly to her home.

Teresa also uses her computer to keep frequent contact with relatives and friends living locally and abroad.

(a)	Explain what is meant by the term teleworking . Give ONE advantage of teleworking.	
(b)	Identify giving a reason, the minimum hardware and software Teresa	[2]
(a)	needs.	[7]
(c)	Mention ONE advantage of on-line shopping and ONE reason why people are sometimes unwilling to use it.	[6]
(d)	Suggest TWO ways how Teresa can use the computer to keep in contact with relatives and friends. For each suggested method identify a distinguishing feature.	[1]
(e)	Briefly describe TWO other ways how the computer may help disabled people.	[4]
		[4]

Writing Space for Previous Question	

20 SEC '05-PAPER 1 Q9

The following acronyms are related to Internet applications. State what each acronym stands for and briefly explain its use in Internet applications.

(i) URL:	[2]
(ii) WWW:	[-]
	[2]
(iii) IRC:	
(iv) HTTP:	[2]
	[2]

21 SEC '06-PAPER 1 Q12

In a given school, all the school's computers are networked to form the school intranet.

(a)	Mention TWO advantages of having the school computers networked
	rather than having standalone computers
A	dvantage 1:
	dvantage 2:
(b)]	Mention ONE disadvantage of having the school computers networked
	rather than having standalone computers
D	isadvantage 1:
(c)]	Mention TWO ways in which the school staff (administrators and teach-
	ers) might use the school intranet in the course of their work:
U	se1:
	se2:
J	

CE	C (OC DADED 24 OO (CONCUER OU 2 2 0 4)
SE(a)	C '06-PAPER 2A Q8 (CONSULT CHs 2, 3 & 4) Write brief notes about THREE of the following:
u,	
	i. Optical Mouse;
	ii. LCD (Liquid Crystal Display) Monitor;
	iii. Laser Printer;
	iv. OCR (Optical Character Reader);
	v. PDA (Personal Digital Assistant).
b)	Mention TWO advantages of DVD's as a means of storage.
c)	What is an expert system? Give an example of an expert system.
d)	Explain how multimedia can be useful for a website that is frequented by people with special needs.
e)	What is <i>Electronic Data Interchange</i> ? Give ONE example.

Writing Space for Previous Question	

23 SEC '07-PAPER 1 Q3 (CONSULT CH 2)
Write down what each acronym stands for and what it refers to:

PU		
ROM	 	
HTML		

24 SEC '07-PAPER 1 Q10

What does the 'e' in the term email stands for?
Name <i>three</i> facilities which are typically provided by an email program.
State <i>one</i> advantage and <i>one</i> disadvantage of using email compared to the postal system.