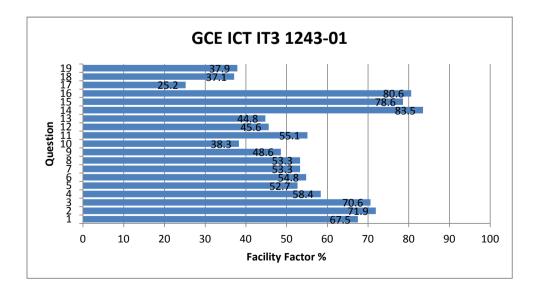


GCE ICT IT3 1243-01

All Candidates' performance across questions

?	?	?	?	?	?	?	
Question Title	N	Mean	S D	Max Mark	FF	Attempt %	
1	3159	3.4	1.3	5	67.5	99.9	\leftarrow
2	3159	2.9	1.2	4	71.9	99.9	
3	3160	2.8	1.2	4	70.6	99.9	
4	3119	3.5	1.7	6	58.4	98.6	
5	3082	2.6	1.3	5	52.7	97.4	
6	3120	1.6	1.1	3	54.8	98.6	
7	3071	2.7	1.7	5	53.3	97.1	\leftarrow
8	3022	2.1	1.4	4	53.3	95.5	
9	3070	1.9	1.3	4	48.6	97.1	\leftarrow
10	2954	2.3	1.3	6	38.3	93.4	
11	3051	3.3	2.2	6	55.1	96.5	
12	2936	2.7	2.4	6	45.6	92.8	
13	3024	2.7	2	6	44.8	95.6	
14	3131	6.7	1.7	8	83.5	99	
15	2655	1.6	0.7	2	78.6	83.9	
16	2664	5.6	1.9	7	80.6	84.2	
17	2497	0.3	0.4	1	25.2	78.9	
18	2597	3	2.5	8	37.1	82.1	
19	571	6.8	3.9	18	37.9	18.1]



SECTION A

Answer all questions.

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0 1	A novice user and an expert user have different needs when using a computer. Discuss these differing needs and then describe how different <i>Human Computer Interfaces</i> (HCI) can address these needs. [5]

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or me or your anono

A novice user is someone who has tono no knowledge of software. A need of nonce when would be the use of supporting facilities, in order to give them an - understanding on how to perform a task. For example, on-screen help flood one facilities the that present results that are in relation to the user's queries; therefore, on-screen help facilities can support were to a overcome difficulties they may encounter. Another requirement from nonice - where would be to easily adapt to the HCI denie as soon as they use it. For example, the use - of tuborials in HCI devices could present how to access and use all features of the HCI device; hence, the tutorials will provide nouse users with an unight on how to use each feature of the HCI device - An expent quer is someone with must knowledge of ICT facilities. A nexed of expert were would be to complete the task on - soon - as - possible. For example, a HCI could enable key shortcasts . Which are comminds that are executed after on the user enters a combination of keys; therefore, wit as long as the expert user memorises the key shortcuts, they could fulfit tasks at a high-speed (such an "CTRh + C" for copying a file and "CTRh" + V" for pending the copied file). Another - requirement from the expert wer is the ascillability of all features in sol in a HCI- For instance, Fin terms of Computer Aided Dosign", an architect would need all features in order to create building designs. Another nequinement from & an expent wer is the capability to customize means. To for - example, the expent wer would remove them they would need and hasping features that's nequined.

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- would use a	then Human computer interfaces to get	-
- a task done i	as faste Fast as possible. A human comput	er_
- interface used	For a novice is on-screen help for	-
- example token a	wizard, when using mail merge which will	-
- give a step by s	step approach on now to do a task. A Huma	и _
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-	interphase for the ease of learning. An expert user	L
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-	interface used for a novice is on-screen help for	F
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-	give a step by step approach on now to do a task. A Human	F
_	Computer interface used for an expert would be stort	L
-	Get Shortcut keys for example (triff is used to print	L
_	a document, this saves time somer, clicking on the	L
	print icon.	

SECTION A

Answer all questions.

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0 7 Many large data processing projects now make use of distributed computing. I what is meant by <i>distributed computing</i> and describe an application which use	Explain es it. [5]

07 Distributed computing is when a number of computers are networked together. They cach work on solving the same problem. Each computer shares processing Catoraged and bandwidth. Under:-Distributed earth and bandwidth. Disc:-Distributed earth. To do this a radio telescope is used. In order to get a neuron band-width louds of processing proce is hereded to I is also used for the development of fine

flu vaccincsions

07 Distributed computing is when a number of computers are hetrophiled together. They cach work on solving the same problem. Each Computer shares processing Catomyed and bandwidth. Use:-Distributed ewith . To do this a radio telescope is wed. In order to get a nerve band-width louds of processing processing processing Distributed to get a nerve band-width louds of processing processing processing for the development of films 7 Distributed computing is when a large number of computers in different locations are all networked together all trying to Solve the Same problem, using the same bandwidth. One application of distributed computing would be the SIETI project. This is where the different computers are all looking for life outside of Earth using a narraw bandwidth. Instead of using a large and expensive supercomputer many different home computers are all networked together that will all share the same narraw bandwidth to search for life outside of Farth. 7 Distributed compating is when a large number of comparers in different locations are all networked together all trying to Solve the Some problem, using the same bandwidth. One application of distributed compating would be the SIETI project. This is where the different comparers are all tooking for life outside of Earth using a narrow bandwidth. Instead of asing a large and expensive supercompater many different home compaters are all networked together that will all share the same narrow bandwidth to search for life outside of Faith. 07 - Distributed computing is where there are many computes linked together? through the use of one large network. An application which would use this distributed compiling one would be the a doctors surgery as they may need to access certain files on patients which would be wept useful for another site incase the patient is transperred. This would be the computers linked to one network they not would be able to access this inprimation through the system. 07 - Distributed computing is where there are many computes linked together? through the use of one large network. An application which would use this distributed computing one would be the a doctors surgery as they may need to access certain Ales on patients which would be wept useful for another site incase the patient is transperred. This would be the computers linked to one network they not would be able to access this inprimation through the system. D

SECTION A

Answer all questions.

A global market research company uses *File Transfer Protocol* (FTP). Describe in detail what is meant by FTP, state a use and give an *advantage* to the company of using FTP. [4] 0 9

FTP (file Transfer Protocol) allows the user to send & files through the use of the internet to any other user, with access to internet house the internet: This could be the use of for example 'e-mail' which would allow a user to send multiple files and messages to another interretuser when the within a motter of seconds, which were A company global machet research canpony may - want to implement FTP as it would so vicrease the speed of em communication between the - users as they would be able to send messages and - files to another user which could be in another country in seconds. Where compared ho the possel postal service is the mossage would have days or neeks - no get no another concountry.

FTP (file Transfer Protocol) allows the user to send & files through the use of the internet to any other user, with access to internet house the where This could be the use of for example 'e-mail' which would allow a user to send multiple fles and messages to another interretuser where the within a motter of seconds, which socia A company global masher research canpany may - want to implement FTP as it would so vicrease the speed of em communication between the users as they would be able to send messages and - files to another user which could be in another country in seconds. Where compared ho the possal service it the mossage would have days or neeks to get to another concountry. \mathcal{O}

0 9	- File Transfer Protocal is a set of standard rales or
	_ protocol that people will follow when moving
	- files from one location to another using the
	internet.
	One use of FTP would be for a company to
	_ upload a website onto the internet or they could
	be downloading a video or information from the
	internet onto their computer.
	An advantage of osing FTP is that there is no
	File size limit, that means that they can move
	any size file that they like. In which if they
	did it by any other method there would be a
] restriction.

0 0	File Transl	sfer Protocal is a set of Standard	railes or
	- protocol the	nat people will follow when mou	ing
	Files from a	one location to another using th	e
	internet.		
	one use of	F FTP would be for a company to	2
	upload a a	website onto the internet or they c	ould
	be download	ading a video or information. from	He
	internet onto	o their computer.	
	An advante	age of osing FTP is that there i	s no
	2. A set of the set	limit, that means that they can me	
		te that they like. In which if the	
		any other method there would be	
] restriction.		

09 File transfer protocol is an internet protocol by which files are transfer ed from one computer to another. The advantage control that they one use of FTP may be to sende transfer a large document, such as a database foll of the companies employees details from one office to another. An addivantage of this is that to you are not limited to file size, like you are an email. The company brould be able to send a weather large amount of files that they would what they proviously used emails above. 09 File transfer protocol is an internet protocol by which files are transfer ed from one computer to another. We advantage to A Well that they one use of FTP may be to send transfer a large document, such as a database foll of the companies employees details from one office to another. An addrentage of this is that to you are not limited to file size, like you are an email. The company brould be able to send a trader large amount of files that they would what they previously used emails alone.