

0417 and 0983
INFORMATION AND COMMUNICATION TECHNOLOGY
TOPIC MARKS SCHEME PAPER-1 SET-2
SMART EXAM RESOURCES
Unit 1.3 Operating Systems

MARKS SCHEME 1

	CLI (✓)	GUI (✓)
This interface does not need a pointing device	✓	
This is an example of a WIMP interface		✓
The user has to type in instructions	✓	
This interface takes up more memory in the computer		✓

Two marks for 4 correct ticks

One mark for 2 or 3 correct ticks

Zero marks for 0 or 1 tick

MARKS SCHEME 2

<p><i>Benefits</i> Max three from: Easier to use as no need to type commands No need to memorise/learn commands Can exchange data between different applications Better help facilities</p> <p><i>Drawbacks</i> Max three from: Takes up more RAM/hard disk space/memory Can be slower for experienced programmers to use. Can be slower to run as graphics have to be loaded/larger program Restrictive can only use pre-defined functions Not in direct contact with OS/computer</p>	4
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MARKS SCHEME 3

Three from: Commands have to be learnt Commands have to be typed in which takes time The operator has to have specialist knowledge of the system Help facilities are basic Commands have to be precise	3
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MARKS SCHEME 4

Answers may make reference to, for example:

Post GUI allows the use of pinching, scrolling, expanding

Post GUI allows the use of touch screen but a CLI does not allow for this

Icons speed up finding instructions, CLI you have to type out the commands in full

No editing in CLI

If a mistake is made in CLI it could have major consequences whereas GUI has less impact

Due to graphics GUI uses a lot of memory, CLI is a lot smaller program

Loss of memory slows down the operations of the computer

GUI cannot operate properly if memory is low

The loss of memory affects kinds of applications that can be run

GUI more user friendly CLI the commands have to be memorised

GUI has a more varied use on other devices not just computers

In a CLI several commands have to be typed in rather than one command in GUI

CLI commands have to be typed in every time the same command is run

GUI sometimes have CLI embedded within them

CLI and GUI both carry out file management CLI and GUI use similar utilities

Both are operating systems

Both control the hardware and software

[8]

MARKS SCHEME 5

Any three from: A window plus reasonable example An icon/buttons/tabs plus reasonable example A menu/drop down menu plus reasonable example Pointer (to point to items on the menu) plus reasonable example	3
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MARKS SCHEME 6

	CLI (✓)	GUI (✓)
Instructions have to be typed.	✓	
Applications are represented by icons.		✓
Options are chosen from a menu.		✓
Many instructions have to be memorised.	✓	

4 correct answers – 2 marks
2 or 3 correct answers – 1 mark
1 correct – 0 marks

Unit 1.3 Operating Systems

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