

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

MARKS SCHEME 1

	CLI	GUI
The user has to type in every instruction	✓	
The user does not need to learn any of the instructions		✓
Each instruction has to be typed in correctly	✓	
The user is in direct communication with the computer	✓	

Two marks for four correct ticks
One mark for two or three correct ticks
Zero marks for one correct tick

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MARKS SCHEME 2

(a)

Command Line Interface/CLI	1
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(b)

Two from: Have to remember/learn the commands Have to type in the commands <u>accurately</u> Difficult to edit once commands typed in	2
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MARKS SCHEME 3

(a)

Graphical User Interface	1
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(b)

Two from: User does not need to learn the commands User-friendly Can locate applications more rapidly	2
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MARKS SCHEME 4

Four from: With a CLI Instructions must be typed to get a computer to carry out an action The user needs to remember/learn/understand the commands in a CLI The instructions need to be entered correctly in CLI With a CLI you have to remember the exact path and name of application With a CLI it is more important that users understand how a computer works With a GUI you just click on an icon In the GUI the instructions are pre-determined GUI is more user-friendly GUI uses more processing power GUI uses more memory	4
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MARKS SCHEME 5

<p>Two from: The user does not have to learn/remember commands More user friendly Can be used on more devices e.g. smartphones A mouse/finger can be used to select icons Using a mouse/finger is simpler than typing in commands Fewer errors are made than typing in commands</p>	2
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MARKS SCHEME 6

<p>Six from:</p> <p>Benefits The user is not restricted to the predetermined options//the GUI uses icons and set menus The user has more control over the computer settings//in GUI computer settings are protected from the user Uses less memory than GUI Requires less processing power for the interface More processing power is made available for the task</p> <p>Drawbacks The commands used have to be learnt The commands used have to be remembered The commands used have to be typed in/entered exactly Have to remember the exact path/correct name of application More prone to errors on data entry Commands have to be typed in//in a GUI can use touchscreens/mice Tends to be used by specialist people//GUI is more user-friendly and can be used by non-experts</p> <p>To gain full marks both benefits and drawbacks are required</p>	6
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