

0417 and 0983
INFORMATION AND COMMUNICATION TECHNOLOGY
TOPIC MARK SCHEME PAPER-1 SET-1
SMART EXAM RESOURCES
Unit 1.4 Types of Computer

MARKS SCHEME 1

(a) Two from:

- Fewer printers are needed
 - Fewer scanners are needed
 - Can access work from any computer
 - Data can be shared between computers/data can be accessed by one computer from another more easily
 - Software can be shared/updated more easily
 - All computers can access the internet /through one connection
- [2]

(b) Three from:

- Greater risk of hackers
 - Greater risk of viruses
 - The significant cost of extra equipment
 - When the network is down, cannot use network computers/can still use standalones
 - Print queues can be long
- [3]

(c) Six from:

Advantages

- Laptops can be transported from room to room more easily
- Safer – won't trip over loose cables
- Can use laptops outside the classroom if required
- Can be used even if there's a power cut

Disadvantages

- Laptops may be more expensive than network PCs.
- Display is smaller
- Laptops will need recharging periodically
- Have to be in range of a network point

- One mark available for reasoned conclusion
 - Must have at least one advantage and disadvantage to gain full marks
- [6]

Unit 1.4 Types of Computer

MARKS SCHEME 2

<p>Four from: Screens tend to be anti-glare Uses touch screen Front and back facing cameras are included Has a built in battery Lightweight Uses Bluetooth/WiFi/3G/4G/5G Uses solid state memory Uses an onscreen keyboard Portable Small footprint</p>	4
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MARKS SCHEME 3

(a)

<p>Speaker Screen</p>	2
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(b)

<p>Four from, for example: Order goods from the internet Use it to surf/search the internet GPS Telephone/internet banking Make/receive phone calls Instant message Streaming of music Streaming videos Text messaging Taking photos</p>	4
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MARKS SCHEME 4

<p>Two from: Tends to be a faster to load up the operating system They are more lightweight so can be carried anywhere//More portable Don't generate as much heat Lower power consumption therefore batteries last longer</p>	2
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Unit 1.4 Types of Computer

MARKS SCHEME 5

<p>Two from:</p> <p>Can be more expensive to run if the internet is accessed by mobile data networks</p> <p>Touch screen can be more error prone when typing the data</p> <p>Laptop computers support more file formats</p> <p>Does not have a physical keyboard therefore more difficult to type</p> <p>Has a smaller screen therefore can be more difficult to read</p>	2
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MARKS SCHEME 6

(a)

	desktop computer	tablet computer	smartwatch
A computer made up of separate units	✓		
Is an example of wearable technology			✓
A portable device that allows text to be typed relatively easily		✓	
Most easily used for fitness and health monitoring by runners			✓

(b)

<p>Three from:</p> <p>More portable as it is lighter in weight</p> <p>Smaller in size therefore can fit in in your pocket</p> <p>More likely to have the smartphone with you at all times</p> <p>Easier to receive and make phone calls on the move</p> <p>More of a chance of retaining the signal//can be used in more places than a laptop computer</p> <p>Less power consumption</p>	3
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