

0417 and 0983

INFORMATION AND COMMUNICATION TECHNOLOGY

TOPIC QUESTIONS PAPER-1 SET-1

SMART EXAM RESOURCES

Unit 1.5 Impact of Emerging Technologies

1. A teacher is teaching students about history using a virtual reality (VR) system.

Identify **three** devices that could be used with a VR system.

1

2

3[3]

Unit 1.5 Impact of Emerging Technologies

2. The security of software and data is very important.

Complete the following sentences using the most appropriate word(s) from the list.

- | | | | | |
|--------------|-----------|-------------|------------|----------------------|
| anti-spyware | iris scan | chip reader | a password | coding |
| a PIN | a dongle | encryption | a token | quantum cryptography |

(a) An electronic device that plugs into a computer and contains the key for a piece of software is called

.....[1]

(b) The scrambling of data is known as

.....[1]

(c) A security process that uses photons to enable secure communication is called

.....[1]

(d) A numeric code that is entered to enable payment to be made for a meal in a restaurant with a debit card is called

..... [1]

Unit 1.5 Impact of Emerging Technologies

3. Some smartphones connected to the internet can allow the user to point their phone’s camera at an object or image to display information about it on the phone’s screen. The object acts like an item in a search engine. This is called augmented reality. One example of its use is in mobile games, where the user tries to catch characters from the game as the characters appear to walk in the streets. Explain, using examples, other ways in which augmented reality could be used in everyday life.

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.....[4]



Unit 1.5 Impact of Emerging Technologies

4. Complete the following sentences, using the most appropriate technology from the list below.

- | | | | |
|----------------------|-------------------------|------------------|------------|
| a 3D printer | artificial intelligence | batch processing | biometrics |
| a dot matrix printer | a microphone | a password | a robot |
| a scanner | a speaker | | |

- (a) A printer that is capable of producing physical objects is called
.....[1]
- (b) The use of a computer to perform tasks that mimic or duplicate the functions of the human brain is called
.....[1]
- (c) A device used in a car production line to assemble a car is called
.....[1]
- (d) Authentication techniques that use fingerprints or retina scans is called
.....[1]

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