1.3 Secondary Storage: 10-minute Pack

OCR J277 · Calculators not allowed · about 10 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Complete the table below by identifying whether each storage device mainly uses magnetic, optical or solid-state technology.

1. Hard disk drive (HDD)
2. DVD-RW
3. USB flash drive
4. Blu-ray disc
5. Solid-state drive (SSD)
6. Magnetic tape

(Total for Question 1 is 6 marks)

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2 Optical storage media come in several formats, each with a different maximum capacity.

(a) State the typical maximum storage capacity of a standard single-layer CD. **(1)**

(b) State the typical maximum storage capacity of a single-layer DVD. **(1)**

(c) State the typical maximum storage capacity of a single-layer Blu-ray disc. **(1)**

(Total for Question 2 is 3 marks)

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Mark scheme · 1.3 Secondary Storage: 10-minute Pack

Question 1

1. Hard disk drive (HDD) - Magnetic **B1**
2. DVD-RW - Optical **B1**
3. USB flash drive - Solid-state **B1**
4. Blu-ray disc - Optical **B1**
5. Solid-state drive (SSD) - Solid-state **B1**
6. Magnetic tape - Magnetic **B1**

Answer: 1 Magnetic, 2 Optical, 3 Solid-state, 4 Optical, 5 Solid-state, 6 Magnetic

Question 2

(a) 700 MB (accept 650 to 700 MB) **B1**

(a) Answer: 700 MB

(b) 4.7 GB **B1**

(b) Answer: 4.7 GB

(c) 25 GB **B1**

(c) Answer: 25 GB

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