A. Cache memory D. Optical media		B. Magnetic media E. ROM		C. Non-volatile memory F. Solid state media	
For each of the describes.	iptions in the t	able, write the label of the	type of memory o	r storage it best	
		Description	Label		
	Uses a laser	to read the data			
	Contents ca	nnot be edited			
	Small and ve	ery fast storage found clos	se to		
				[3 marks]	
01.2 Bob purchases a 4GB SD card for use as secondary storage in his phone. Calculate how					
many megabytes ther	e are in 4GB.	Show your working.		[2 marks]	
		A			
		Alls	wei		
01.3 An SD card is a	type of solid s	tate storage.			
State two advantages	s of solid state	storage compared to mag	gnetic storage.	[2 marka]	
1				[2 marks]	
2					

01.1 The following are types of memory and storage (labelled A - F):

Give two reasons why desktop computers have a magnetic hard disk drive and a solid state drive instead of having just a solid state drive [2 marks]
1
2
01.5 Explain how data is read from optical media such as a DVD. [5 marks]
01.6 A student is asked to compare solid state drives, magnetic hard drives and optical media such as CDs. This is the student's answer: "Both a solid state drive and a hard drive contain moving parts although the way they store data is different. Both solid state drives and hard drives can have large storage capacities but a hard drive's capacity is commonly greater. Both can be greater than standard CDs. Data is read more quickly from a hard drive than from a normal CD. Data is also read more quickly from a hard drive than from a solid state drive." The student has made two errors in their answer. Identify each error and explain why the student is
wrong. [4 marks]
1
2

01.4 Many modern desktop computers have both solid state drives and magnetic hard disk drives.