

MCQs

The numbers after the question are an approximate estimation of relative difficulty, broadly based around the new GCSE Numbering System. Please note that these were produced before final guidance was released regarding levels of difficulty and as such should be used as a rough guide only.

Question 1: Which of the following is not a type of storage. (1/2)		✓
Optical		
Magnetic		
Solid State		
Hard Drive		
Question 2: What type of storage is a DVD ROM? (1/2)		✓
Optical		
Magnetic		
Solid State		
It is not a storage device		
Question 3: What type of storage is a USB memory stick? (4/5)		✓
Optical		
Magnetic		
Solid State		
It is not a storage device		
Question 4: What type of storage is a SSD card? (4/5)		✓
Optical		
Magnetic		
Solid State		
It is not a storage device		
Question 5: What type of storage is a HDD? (4/5)		✓
Optical		
Magnetic		
Solid State		
It is not a storage device		
Question 6: Which of the following types of storage would likely access its data the fastest? (4-6)		✓
Optical		
Magnetic		
Solid State		
It is not a storage device		
Question 7: Which of the following types of storage is the most durable? (9)		✓
Optical		
Magnetic		
Solid State		
They are all the same		

MCQs

Question 8: Which of the following types of storage is the most expensive per MB/GB? (9)	✓
Optical	
Magnetic	
Solid State	
They are all the same	
Question 9: Why is a Hard Disk Drive (HDD) not very portable? (9)	✓
It has moving parts	
It is too large	
It will break if you touch it	
It is too small	
Question 10: Why does a laptop need secondary storage? (1/2)	✓
To backup files to move to another computer	
To store data, files and software for future use	
To storage programs that are currently running	
To store data that the processor needs	
Question 11: Which type of storage uses lasers to write the data? (4/5)	✓
Optical	
Magnetic	
Solid state	
All types	
Question 12: The types of storage are listed below from fastest to slowest. Which order is correct? (9)	✓
Solid State, Optical, Magnetic	
Optical, Magnetic, Solid State	
Magnetic, Optical, Solid State	
Solid State, Magnetic, Optical	
Question 13: The types of storage are listed below from least expensive per GB to the most expensive per GB. Which order is correct? (9)	✓
Solid State, Optical, Magnetic	
Optical, Magnetic, Solid State	
Magnetic, Optical, Solid State	
Solid State, Magnetic, Optical	
Question 14: The types of storage are listed below from the most reliable to the least reliable per GB. Which order is correct? (9)	✓
Solid State, Optical, Magnetic	
Optical, Magnetic, Solid State	
Magnetic, Optical, Solid State	
Solid State, Magnetic, Optical	

MCQs

Question 15: How many bytes are there per character in a text file? (1/2)	✓
0.5	
1	
1.5	
2	
Question 16: Which is the smallest of these data capacities? (4/5)	✓
2 KB	
2049 bytes	
0.5 MB	
3gb	
Question 17: Which is the largest of these data capacities? (9)	✓
2048 MB	
2 GB	
2050 MB	
100000 KB	
Question 18: Which formulae can be used to estimate the file size of an image? (7-9)	✓
number of pixels * number of bytes per pixel	
number of pixels * 1.1	
number of pixels wide * number of pixels high * number of bytes per pixel * 1.1	
number of pixels wide * number of bytes per pixel * number of pixels * 1.1	
Question 19: Which formulae can be used to estimate the file size of a sound file? (7-9)	✓
bytes per sample * channels * height + number of minutes	
samples per second * number of seconds * 1.1	
samples per second * bytes per sample * duration	
samples per second * samples per second * channels * duration	
Question 20: How many bytes are needed to store 32769 different colours? (9)	✓
1	
2	
3	
4	

MCQs ANSWERS

Question 1: Which of the following is not a type of storage. (1/2)	✓
Optical	
Magnetic	
Solid State	
Hard Drive	✓
Question 2: What type of storage is a DVD ROM? (1/2)	✓
Optical	✓
Magnetic	
Solid State	
It is not a storage device	
Question 3: What type of storage is a USB memory stick? (4/5)	✓
Optical	
Magnetic	
Solid State	✓
It is not a storage device	
Question 4: What type of storage is a SSD card? (4/5)	✓
Optical	
Magnetic	
Solid State	✓
It is not a storage device	
Question 5: What type of storage is a HDD? (4/5)	✓
Optical	
Magnetic	✓
Solid State	
It is not a storage device	
Question 6: Which of the following types of storage would likely access its data the fastest? (4-6)	✓
Optical	
Magnetic	
Solid State	✓
It is not a storage device	
Question 7: Which of the following types of storage is the most durable? (9)	✓
Optical	
Magnetic	
Solid State	✓
They are all the same	

MCQs ANSWERS

Question 8: Which of the following types of storage is the most expensive per MB/GB? (9)	✓
Optical	
Magnetic	
Solid State	✓
They are all the same	
Question 9: Why is a Hard Disk Drive (HDD) not very portable? (9)	✓
It has moving parts	✓
It is too large	
It will break if you touch it	
It is too small	
Question 10: Why does a laptop need secondary storage? (1/2)	✓
To backup files to move to another computer	
To store data, files and software for future use	✓
To storage programs that are currently running	
To store data that the processor needs	
Question 11: Which type of storage uses lasers to write the data? (4/5)	✓
Optical	✓
Magnetic	
Solid state	
All types	
Question 12: The types of storage are listed below from fastest to slowest. Which order is correct? (9)	✓
Solid State, Optical, Magnetic	
Optical, Magnetic, Solid State	
Magnetic, Optical, Solid State	
Solid State, Magnetic, Optical	✓
Question 13: The types of storage are listed below from least expensive per GB to the most expensive per GB. Which order is correct? (9)	✓
Solid State, Optical, Magnetic	
Optical, Magnetic, Solid State	
Magnetic, Optical, Solid State	✓
Solid State, Magnetic, Optical	
Question 14: The types of storage are listed below from the most reliable to the least reliable per GB. Which order is correct? (9)	✓
Solid State, Optical, Magnetic	
Optical, Magnetic, Solid State	
Magnetic, Optical, Solid State	
Solid State, Magnetic, Optical	✓

MCQs ANSWERS

Question 15: How many bytes are there per character in a text file? (1/2)	✓
0.5	
1	✓
1.5	
2	
Question 16: Which is the smallest of these data capacities? (4/5)	✓
2 KB	✓
2049 bytes	
0.5 MB	
3gb	
Question 17: Which is the largest of these data capacities? (9)	✓
2048 MB	
2 GB	
2050 MB	✓
100000 KB	
Question 18: Which formulae can be used to estimate the file size of an image? (7-9)	✓
number of pixels * number of bytes per pixel	
number of pixels * 1.1	
number of pixels wide * number of pixels high * number of bytes per pixel * 1.1	✓
number of pixels wide * number of bytes per pixel * number of pixels * 1.1	
Question 19: Which formulae can be used to estimate the file size of a sound file? (7-9)	✓
bytes per sample * channels * height + number of minutes	
samples per second * number of seconds * 1.1	
samples per second * bytes per sample * duration	✓
samples per second * samples per second * channels * duration	
Question 20: How many bytes are needed to store 32769 different colours? (9)	✓
1	
2	✓
3	
4	

COMPUTER SCIENCE

MCQs and Answers

We'd like to know your view on the resources we produce. By clicking on '[Like](#)' or '[Dislike](#)' you can help us to ensure that our resources work for you. When the email template pops up please add additional comments if you wish and then just click 'Send'. Thank you.

If you do not currently offer this OCR qualification but would like to do so, please complete the Expression of Interest Form which can be found here: www.ocr.org.uk/expression-of-interest

OCR Resources: *the small print*

OCR's resources are provided to support the teaching of OCR specifications, but in no way constitute an endorsed teaching method that is required by the Board and the decision to use them lies with the individual teacher. Whilst every effort is made to ensure the accuracy of the content, OCR cannot be held responsible for any errors or omissions within these resources. We update our resources on a regular basis, so please check the OCR website to ensure you have the most up to date version.

© OCR 2016 - This resource may be freely copied and distributed, as long as the OCR logo and this message remain intact and OCR is acknowledged as the originator of this work.

OCR acknowledges the use of the following content: n/a

Please get in touch if you want to discuss the accessibility of resources we offer to support delivery of our qualifications: resources.feedback@ocr.org.uk