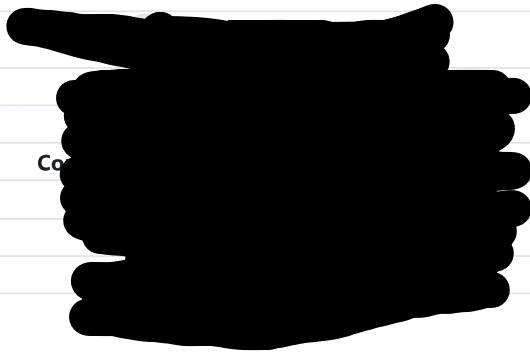


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You are a highly motivated student, who takes full responsibility for your learning. A reflective learner, who recognises areas for development and is committed to personal improvement. An organised learner who always completes class work and homework to a very high standard.

Question **1**

Correct

Mark 1.00 out of 1.00

A computing system is a dynamic collection of ...

Select one:

- ☐ a. CPUs, Information, and Memory.
- ☐ b. Speakers, Users, and Rock-and-Roll.
- ☐ c. Screens, mice, and Keyboards.
- ☒ d. Hardware, Software, and Data. ✓
- ☐ e. Information, Hardware, and Algorithms

The correct answer is: Hardware, Software, and Data.

Response history

Step	Time	Action	State	Marks
1	7/03/23, 09:03	Started	Not yet answered	
2	7/03/23, 09:04	Saved: Hardware, Software, and Data.	Answer saved	
3	7/03/23, 09:13	Attempt finished	Correct	1.00

Question **2**

Correct

Mark 1.00 out of 1.00

Vacuum tubes ...

Select one:

- ☒ a. were large, not very reliable, and generated a lot of heat. ✓
- ☐ b. are devices which can be used to clean your house.
- ☐ c. is a technology we largely used today.
- ☐ d. were light bulbs used between the 1951-1959.
- ☐ e. replaced the transistor.

The correct answer is: were large, not very reliable, and generated a lot of heat.

Response history

Step	Time	Action	State	Marks
1	7/03/23, 09:03	Started	Not yet answered	
2	7/03/23, 09:04	Saved: were large, not very reliable, and generated a lot of heat.	Answer saved	
3	7/03/23, 09:13	Attempt finished	Correct	1.00

Question **3**

Correct

Mark 1.00 out of 1.00

A transistor is a

Select one:

- ☐ a. a new and 'hip' dance routine.
- ☒ b. device which can be used for memory construction. ✓
- ☐ c. a piece of silicon used to negate a charge.
- ☐ d. a type of vacuume tube.
- ☐ e. device used to switch electronic signals.

The correct answers are: device used to switch electronic signals., device which can be used for memory construction.

Response history

Step	Time	Action	State	Marks
1	7/03/23, 09:03	Started	Not yet answered	
2	7/03/23, 09:04	Saved: device used to switch electronic signals.	Answer saved	
3	7/03/23, 09:11	Saved: device which can be used for memory construction.	Answer saved	
4	7/03/23, 09:13	Attempt finished	Correct	1.00

Question 4

Correct

Mark 1.00 out of 1.00

An integrated circuit is a ...

Select one:

- ☐ a. type of CPU.
- ☐ b. silicon board with one electrical circuit.
- ☐ c. silicon chip.
- ☐ d. device which has nothing to do with transistors.
- ☒ e. device which replaced circuit boards, since they were smaller, cheaper, faster, and more reliable. ✓

The correct answer is: device which replaced circuit boards, since they were smaller, cheaper, faster, and more reliable.

Response history

Step	Time	Action	State	Marks
1	7/03/23, 09:03	Started	Not yet answered	
2	7/03/23, 09:07	Saved: silicon chip.	Answer saved	
3	7/03/23, 09:12	Saved: device which replaced circuit boards, since they were smaller, cheaper, faster, and more reliable.	Answer saved	
4	7/03/23, 09:13	Attempt finished	Correct	1.00

Question **5**

Correct

Mark 1.00 out of 1.00

What is a computer terminal?

Select one:

- ☐ a. A type of CPU.
- ☐ b. A place at the airport where you wait for your flight.
- ☐ c. A program used to output information to the user.
- ☐ d. A program used to input information into the computer.
- ☒ e. An input/output device used with a keyboard and a screen. ✓

The correct answer is: An input/output device used with a keyboard and a screen.

Response history

Step	Time	Action	State	Marks
1	7/03/23, 09:03	Started	Not yet answered	
2	7/03/23, 09:07	Saved: A program used to input information into the computer.	Answer saved	
3	7/03/23, 09:12	Saved: An input/output device used with a keyboard and a screen.	Answer saved	
4	7/03/23, 09:13	Attempt finished	Correct	1.00

Question **6**

Correct

Mark 1.00 out of 1.00

What is large-scale integration?

Select one:

- ☐ a. A type of parallel computing.
- ☐ b. The process of combining the computers CPU and Memory for faster performance.
- ☒ c. The process of embedding more transistors onto an integrated circuit. ✓
- ☐ d. A type of mathematical integration invented by John Fields.

The correct answer is: The process of embedding more transistors onto an integrated circuit.

Response history

Step	Time	Action	State	Marks
1	7/03/23, 09:03	Started	Not yet answered	
2	7/03/23, 09:08	Saved: The process of embedding more transistors onto an integrated circuit.	Answer saved	
3	7/03/23, 09:13	Attempt finished	Correct	1.00

Question **7**

Correct

Mark 1.00 out of 1.00

Parallel computing refers to:

Select one:

- ☐ a. using a new network architecture in a single central processing unit to improve speed.
- ☐ b. improving performance by replacing the central processing unit with the latest one on the market.
- ☐ c. improving performance by increasing the number of computer screens so more programmers can look at the problem.
- ☐ d. using multiple resources with one memory unit.
- ☒ e. increasing processing speed by the collaborative effort more many central processing units and/or memory units. ✓

The correct answer is: increasing processing speed by the collaborative effort more many central processing units and/or memory units.

Response history

Step	Time	Action	State	Marks
1	7/03/23, 09:03	Started	Not yet answered	
2	7/03/23, 09:08	Saved: increasing processing speed by the collaborative effort more many central processing units and/or memory units.	Answer saved	
3	7/03/23, 09:13	Attempt finished	Correct	1.00

Question **8**

Correct

Mark 1.00 out of 1.00

High-level languages...

Select one:

- ☐ a. Have a weak abstraction from the details of the computer.
- ☐ b. Can execute in the CPU without any translator.
- ☒ c. Have a strong abstraction from the details of the computer. ✓
- ☐ d. Include languages such as machine language and assembler.
- ☐ e. Contain binary numbers.

The correct answer is: Have a strong abstraction from the details of the computer.

Response history

Step	Time	Action	State	Marks
1	7/03/23, 09:03	Started	Not yet answered	
2	7/03/23, 09:09	Saved: Have a strong abstraction from the details of the computer.	Answer saved	
3	7/03/23, 09:13	Attempt finished	Correct	1.00

Question 9

Correct

Mark 1.00 out of 1.00

Object-oriented design is a method which has to do with ...

Select one:

- ☐ a. welcoming new programmers to computer science.
- ☒ b. the declaration of classes and objects. ✓
- ☐ c. interior decorating.
- ☐ d. the internet.
- ☐ e. the management of functions and the execution of instructions.

The correct answer is: the declaration of classes and objects.

Response history

Step	Time	Action	State	Marks
1	7/03/23, 09:03	Started	Not yet answered	
2	7/03/23, 09:09	Saved: the declaration of classes and objects.	Answer saved	
3	7/03/23, 09:13	Attempt finished	Correct	1.00

Question **10**

Correct

Mark 1.00 out of 1.00

What is abstraction?

- ☒ a. Complexity made simple ✓
- ☐ b. Mathematical operations
- ☐ c. When irrelevant details are considered
- ☐ d. Step by step instructions

Your answer is correct.

The correct answer is: Complexity made simple

Response history

Step	Time	Action	State	Marks
1	7/03/23, 09:03	Started	Not yet answered	
2	7/03/23, 09:09	Saved: Complexity made simple	Answer saved	
3	7/03/23, 09:13	Attempt finished	Correct	1.00

Question **11**

Correct

Mark 1.00 out of 1.00

What is the innermost layer of the computing system?

- ☐ a. Hardware
- ☒ b. Information ✓
- ☐ c. Operating System
- ☐ d. All of the above

Your answer is correct.

The correct answer is:
Information

Response history

Step	Time	Action	State	Marks
1	7/03/23, 09:03	Started	Not yet answered	
2	7/03/23, 09:10	Saved: Information	Answer saved	
3	7/03/23, 09:13	Attempt finished	Correct	1.00

Question **12**

Correct

Mark 1.00 out of 1.00

In which generation did the transistor replace the vacuum?

- ☒ a. Second ✓
- ☐ b. Third
- ☐ c. Fourth
- ☐ d. None of the above

Your answer is correct.

The correct answer is:
Second

Response history

Step	Time	Action	State	Marks
1	7/03/23, 09:03	Started	Not yet answered	
2	7/03/23, 09:10	Saved: Second	Answer saved	
3	7/03/23, 09:13	Attempt finished	Correct	1.00

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