Co

83 out of 100.00

ellent Work!

u are a highly motivated student, who takes full responsibility for your learning. A reflective learner, who recognises
eas for development and is committed to personal improvement. An organised learner who always completes class
ork 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.   Screens, mouses, and Keyboards.
- b.   Information, Hardware, and Algorithms
- c.   CPUs, Information, and Memory.
- d.   Speakers, Users, and Rock-and-Roll.
- e.   Hardware, Software, and Data. ✔

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

Response history

Step	Time	Action	State	Marks
1	6/03/22, 11:59	Started	Not yet answered	
2	6/03/22, 12:00	Saved: Hardware, Software, and Data.	Answer saved	
3	**6/03/22, 12:07**	**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.   were light bulbs used between the 1951-1959.
- ○ d.   is a technology we largely used today.
- ○ 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	6/03/22, 11:59	Started	Not yet answered	
2	6/03/22, 12:02	Saved: were large, not very reliable, and generated a lot of heat.	Answer saved	
3	**6/03/22, 12:07**	**Attempt finished**	**Correct**	**1.00**

Question **3**

Correct

Mark 1.00 out of 1.00

A transistor is a

Select one:

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

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]	6/03/22, 11:59	Started	Not yet answered	
[2]	6/03/22, 12:02	Saved: device which can be used for memory construction.	Answer saved	
3	**6/03/22, 12:07**	**Attempt finished**	**Correct**	**1.00**

Question **4**

Correct

Mark 1.00 out of 1.00

An integrated circuit is a ...

Select one:

- a.   silicon chip.

- b.   silicon board with one electrical circuit.

- c.   device which replaced circuit boards, since they were smaller, cheaper, faster, and more reliable. ✔

- d.   type of CPU.

- e.   device which has nothing to do with transistors.

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	6/03/22, 11:59	Started	Not yet answered	
2	6/03/22, 12:03	Saved: device which replaced circuit boards, since they were smaller, cheaper, faster, and more reliable.	Answer saved	
3	**6/03/22, 12:07**	**Attempt finished**	**Correct**	**1.00**

Question **5**

Correct

Mark 1.00 out of 1.00

What is a computer terminal?

Select one:

○ a. A program used to output information to the user.

○ b. A place at the airport where you wait for your flight.

○ c. A type of CPU.

◉ d. An input/output device used with a keyboard and a screen. ✔

○ e. A program used to input information into the computer.

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

Response history

Step	Time	Action	State	Marks
1	6/03/22, 11:59	Started	Not yet answered	
2	6/03/22, 12:03	Saved: An input/output device used with a keyboard and a screen.	Answer saved	
3	**6/03/22, 12:07**	**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 embedding more transistors onto an integrated circuit. ✔

- c. A type of mathematical integration invented by John Fields.

- d. The process of combining the computers CPU and Memory for faster performance.

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

Response history

Step	Time	Action	State	Marks
[1](#)	6/03/22, 11:59	Started	Not yet answered	
[2](#)	6/03/22, 12:04	Saved: The process of embedding more transistors onto an integrated circuit.	Answer saved	
3	**6/03/22, 12:07**	**Attempt finished**	**Correct**	**1.00**

Question **7**

Correct

Mark 1.00 out of 1.00

Parallel computing refers to:

Select one:

○ a. improving performance by increasing the number of computer screens so more programmers can look at the problem.

○ b. improving performance by replacing the central processsing unit with the latest one on the market.

○ c. using multiple resources with one memory unit.

⦿ d. increasing processing speed by the collaborative effort more many central processing units and/or memory units. ✔

○ e. using a new network archetecture in a single central processing unit to improve speed.

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	6/03/22, 11:59	Started	Not yet answered	
2	6/03/22, 12:04	Saved: increasing processing speed by the collaborative effort more many central processing units and/or memory units.	Answer saved	
3	**6/03/22, 12:07**	**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.   Have a strong abstraction from the details of the computer. ✔

○ c.   Contain binary numbers.

○ d.   Can execute in the CPU without any translator.

○ e.   Include languages such as machine language and assembler.

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

Response history

Step	Time	Action	State	Marks
1	6/03/22, 11:59	Started	Not yet answered	
2	6/03/22, 12:05	Saved: Include languages such as machine language and assembler.	Answer saved	
3	6/03/22, 12:06	Saved: Have a strong abstraction from the details of the computer.	Answer saved	
4	**6/03/22, 12:07**	**Attempt finished**	**Correct**	**1.00**

Question **9**

Partially correct

Mark 0.50 out of 1.00

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

Select one:

○ a. the internet.

○ b. welcoming new programmers to computer science.

○ c. interior decorating.

○ d. the declaration of classes and objects.

◉ 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	6/03/22, 11:59	Started	Not yet answered	
2	6/03/22, 12:06	Saved: the management of functions and the execution of instructions.	Answer saved	
3	**6/03/22, 12:07**	**Attempt finished**	**Partially correct**	**0.50**

Question **10**

Correct

Mark 1.00 out of 1.00

What is abstraction?

- ○ a. Step by step instructions

- ◉ b. Complexity made simple ✔

- ○ c. When irrelevant details are considered

- ○ d. Mathematical operations

Your answer is correct.

The correct answer is: Complexity made simple

Response history

Step	Time	Action	State	Marks
1	6/03/22, 11:59	Started	Not yet answered	
2	6/03/22, 12:06	Saved: Complexity made simple	Answer saved	
3	**6/03/22, 12:07**	**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]	6/03/22, 11:59	Started	Not yet answered	
[2]	6/03/22, 12:06	Saved: Information	Answer saved	
3	**6/03/22, 12:07**	**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	6/03/22, 11:59	Started	Not yet answered	
2	6/03/22, 12:07	Saved: Second	Answer saved	
3	**6/03/22, 12:07**	**Attempt finished**	**Correct**	**1.00**

◄ 2. COMS1015A/COMS1019A Binary Numbers (FIRST HALF)

Jump to...

Vincent's Base converter (by former student) ►