

ISEB FCGIT

Foundation Certificate in Green IT

Version: 4.0

QUESTION NO: 1

A Green IT policy should be aligned to which other organizational policy?

- a) Performance Management Policy.
- b) Sustainability Policy.
- c) Equal Opportunities Policy.
- d) Environmental Policy.

- A. b and d only.
- B. a, b and d only.
- C. b and c only.
- D. b, c and d only.

Answer: A

Explanation:

QUESTION NO: 2

What should be achieved when setting the scope of an organisation's Green IT Policy?

- A. A definition of what goals are required for the project.
- B. A definition of what resources are required for the project.
- C. A definition of what people are required for the project.
- D. A definition of what activities are required for the project.

Answer: A

Explanation:

QUESTION NO: 3

What is the first step that an organisation should take to improve its Green IT credentials?

- A. Rationalise its Data Centre.
- B. Review competitors' green policies.
- C. Establish its Green IT policy.
- D. Replace its old PCs.

Answer: C

Explanation:

QUESTION NO: 4

Which document should be created to ensure the implementation of your Green IT policy?

- A. The green development plan.
- B. The green procurement policy.
- C. The green IT action plan.
- D. The green building plan.

Answer: C

Explanation:

QUESTION NO: 5

The Carbon Footprint comprises of both direct and indirect emissions. Which of the following is an indirect emission?

- A. Travelling to the office.
- B. Opening a spreadsheet.
- C. Disposing of a server.
- D. Printing out a report.

Answer: C

Explanation:

QUESTION NO: 6

Which of these is NOT an example of a Carbon Offsetting scheme?

- A. Supplying new solar cookers in Indonesia.
- B. Providing new for old car tyres in the United Kingdom.
- C. Generating hydropower without dams in Fiji.
- D. Making electricity from landfill in South Africa.

Answer: B

Explanation:

QUESTION NO: 7

Which of the following uses Greenhouse Gas conversion factors to work out CO2 emissions?

- A. The ROCI Matrix.
- B. The Emissions Reduction Flowchart.
- C. The Carbon Footprint Calculator.
- D. The Electronic Product Environmental Assessment Tool.

Answer: C

Explanation:

QUESTION NO: 8

In which units are the results of a Carbon Footprint Calculation displayed?

- A. Dollars.
- B. Kilowatts.
- C. Tonnes.
- D. Litres.

Answer: C

Explanation:

QUESTION NO: 9

Which of the following describes Carbon Neutrality?

- A. Eliminating CO2 emissions from product manufacture.
- B. Maintaining CO2 emissions at a pre-defined agreed level.
- C. Balancing CO2 emissions with an equivalent offset amount.
- D. Matching CO2 emissions between defined business areas.

Answer: C

Explanation:

QUESTION NO: 10

Which of the following is part of an organisation's direct Carbon Footprint?

- A. Financial services.
- B. Office refurbishment.
- C. Corporate entertaining.
- D. Business travel.

Answer: D

Explanation:

QUESTION NO: 11

What action can you take to reduce the power consumption of your data centre?

- A. Shut down servers out of business hours.
- B. Replace small servers with larger ones.
- C. Reallocate under-used servers to run active services.
- D. Upgrade servers to always run the latest software.

Answer: C

Explanation:

QUESTION NO: 12

Which of the following are reasons that Home Working can reduce your carbon footprint?

- a) It reduces the travel needed to attend meetings.
 - b) It reduces the paperwork needed for meetings.
 - c) It reduces the space needed within the office.
 - d) It reduces the power consumed during meetings.
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- A. b and c only.
 - B. a and d only.
 - C. a and c only.
 - D. c and d only.

Answer: B

Explanation:

QUESTION NO: 13

How much energy is used by monitor when displaying a PC screen saver?

- A. The same as a standard office application.
- B. Half the power of a standard office application.
- C. One third the power of a standard office application.
- D. Twice the power of a standard office application.

Answer: A

Explanation:

QUESTION NO: 14

Which of the following is the greatest business challenge facing data centres?

- A. The shortened technology refresh cycles of suppliers.
- B. The cost of next generation blade servers.
- C. The ability to manage all data centres centrally.
- D. The increase in data storage requirements.

Answer: D

Explanation:

QUESTION NO: 15

Which of the following actions make a PC more energy efficient?

- A. Disabling stand-by settings.
- B. Enabling active power management.
- C. Enabling active screen savers.
- D. Disabling CPU throttling features.

Answer: B

Explanation:

QUESTION NO: 16

Which of the following must be measured when calculating the annual energy consumption of a server?

- A. How long the server takes to shut down and reboot.
- B. The amount of times the system is upgrading in a year.
- C. The energy consumed in different modes of operation.
- D. The operating temperature of the server during peak loads.

Answer: C

Explanation:

QUESTION NO: 17

Which of the following is a Framework that can be used to implement Green IT systems?

- A. The IT Infrastructure Library.
- B. The Environmental Systems Method.
- C. The Green Data Centre Toolkit.
- D. The Custom Development Framework.

Answer: A

Explanation:

QUESTION NO: 18

Which of the following is a Framework that can be used to implement Green IT systems?

- A. The IT Infrastructure Library.
- B. The Environmental Systems Method.
- C. The Green Data Centre Toolkit.
- D. The Custom Development Framework.

Answer: A

Explanation:

QUESTION NO: 19

You are monitoring energy usage in the data centre. Which of the following techniques can you use?

- a) Data aggregating.
- b) Thermal profiling.
- c) CPU throttling.
- d) Server metering.

- A.** a and c only.
- B.** b and d only.
- C.** b and c only.
- D.** a and d only.

Answer: B

Explanation:

QUESTION NO: 20

How can you use a Continual Service Improvement Model as part of your green IT programme?

- A.** To ensure on-going monitoring and feedback through the programme lifecycle.
- B.** To ensure adequate technical support throughout the programme lifecycle.
- C.** To ensure agile application development to support the programme lifecycle.
- D.** To ensure senior management commitment throughout the programme lifecycle.

Answer: A

Explanation:

QUESTION NO: 21

Which of the following would help identify how green an organisation currently is?

- A. Add power meters to your servers.
- B. Add screen savers to your PCs.
- C. Add colour to your network printers.
- D. Add redundancy to your storage devices.

Answer: A

Explanation:

QUESTION NO: 22

Which of the following is a greenhouse gas?

- A. Methane
- B. Argon.
- C. Nitrogen.
- D. Helium.

Answer: A

Explanation:

QUESTION NO: 23

How do greenhouse gases contribute to global warming?

- A. They stop light from reaching the earth.
- B. They stop heat escaping from the earth.
- C. They stop moisture escaping from the earth.
- D. They stop radiation from reaching the earth.

Answer: B

Explanation:

QUESTION NO: 24

Which of the following would help identify how green an organisation currently is?

- A. Add power meters to your servers.
- B. Add screen savers to your PCs.