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Vendor: ISEB

Exam Code: FCGIT

Exam Name: Foundation Certificate in Green IT

Version: Demo

Question: 1

A Green IT policy should be aligned to which other organisational 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

Question: 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

Question: 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

Question: 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

Question: 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

Question: 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

Question: 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

Question: 8

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

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

Answer: C

Question: 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

Question: 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

Question: 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

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

Answer: B

Question: 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

Question: 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

Question: 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

Question: 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

Question: 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

Question: 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

Question: 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

Question: 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

Question: 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

Question: 22

Which of the following is a greenhouse gas?

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

Answer: A

Question: 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

Question: 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.
- C. Add colour to your network printers.
- D. Add redundancy to your storage devices.

Answer: A

Question: 25

Which of the following costs is a Data Centre Manager often unaware of?

- A. The cost of server displays.
- B. The cost of electricity used.
- C. The cost of data storage.
- D. The cost of staff wages.

Answer: B

Question: 26

Virtualised computing resources are delivered dynamically. What does this mean?

- A. The resources are delivered with very high throughput.
- B. The resources are delivered only when they are needed.
- C. The resources are delivered with very low CPU utilisation.
- D. The resources are delivered with no storage requirement.

Answer: B

Question: 27

How can IP Video Conferencing reduce your carbon footprint?

- A. It reduces the power consumed during meetings.
- B. It reduces the paperwork needed for meetings.
- C. It reduces the number of rooms needed for meetings.
- D. It reduces the travel needed to attend meetings.

Answer: D

Question: 28

Which of the following are business benefits of replacing paper-based work processes?

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

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

Answer: B

Question: 29

Which of the following BEST describes the purpose of Cloud Computing?

- A. Workload is evenly distributed amongst servers.
- B. IT services are delivered virtually over the Internet.
- C. Smaller servers replace large Data Centres.
- D. Thin clients are deployed throughout an organisation.

Answer: B

Question: 30

Which of the following types of computing can deliver economic value to a Green IT project?

- a) Grid.
- b) Matrix.
- c) Cloud.
- d) Lattice.

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

Answer: A

Question: 31

Which of the following helps provide effective power management on a PC?

- A. Automated shutdown software.
- B. Automated back-up software.
- C. Automated retrieval software.
- D. Automated fax-to-email software.

Answer: A

Question: 32

Which of the following will reduce paper consumption?

- A. Setting printers to duplex printing.
- B. Setting printers to colour printing.
- C. Setting printers to high quality printing.
- D. Setting printers to draft printing.

Answer: A

Question: 33

Which of the following are benefits of virtualisation?

- a) It reduces the number of physical servers required.
- b) It reduces the level of individual server utilisation.
- c) It reduces the amount of server support required.
- d) It reduces the energy required for data centre cooling.

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

Answer: D

Question: 34

Which of the following will reduce paper consumption?

- A. Setting printers to duplex printing.
- B. Setting printers to colour printing.
- C. Setting printers to high quality printing.
- D. Setting printers to draft printing.

Answer: A

Question: 35

Which of the following systems would assist effective Green IT procurement?

- A. A Decision Support Database.
- B. An Enterprise Resource Planning System.
- C. A Transaction Processing System.
- D. A Supplier and Contracts Database.

Answer: D

Question: 36

Which of the following is an action you should take to ensure that your suppliers are complying with your Green IT policy?

- A. Regular unannounced site visits.
- B. Publish the policy on your website.
- C. Test a random selection of products.
- D. Provide input for their green IT policy.

Answer: A

Question: 37

Which of the following is part of a Green IT Procurement process?

- A. Implementing effective escrow agreements for software products.
- B. Negotiating discounts for products with high energy consumption.
- C. Requiring that suppliers have an effective Health & Safety policy.
- D. Ensuring that suppliers comply with your environmental policy.

Answer: D

Question: 38

Which of the following is NOT part of a Green IT Procurement process?

- A. Requiring that suppliers have an effective Health & Safety policy.
- B. Establishing an up-to-date Supplier and Contracts database.
- C. Negotiating discounts for products with high energy consumption.
- D. Implementing effective escrow agreements for software products.

Answer: C

Question: 39

Why is Data Destruction important when recycling a computer?

- A. To ensure that the costs of recycling are minimised.
- B. To ensure that the hard disk can be completely recycled.
- C. To ensure that the equipment can be sent abroad for recycling.
- D. To ensure that the data is securely deleted before recycling.

Answer: D

Question: 40

Which of the following activities form part of a Green IT initiative?

- a) Re-using existing computer equipment.
- b) Recycling old computer equipment.
- c) Reducing legacy computer equipment.
- d) Removing expensive computer equipment.

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

Answer: D

Question: 41

Which of the following is a benefit of extending the working life of a PC?

- A. It reduces the energy used over the entire lifecycle of the PC.
- B. It reduces the emissions caused by replacing monitors.
- C. It reduces the resources required for new computer manufacture.
- D. It reduces the storage needed for packaging and manuals.

Answer: A

Question: 42

How can purchasing equipment made from recycled materials help with a Green IT programme?

- A. Non-recyclable materials are often hazardous and so are difficult to dispose of.
- B. Non-recyclable materials cost more to produce making the equipment more expensive.
- C. Non-recyclable materials use up more water, energy and minerals than recyclable.
- D. Non-recyclable materials degrade faster and need to be replaced more often.

Answer: A

Question: 43

Which of the following activities would make data centres more energy efficient?

- a) Consolidate systems onto a smaller number of servers.
- b) Position servers as close together as possible.
- c) Ensure hot and cold airflows do not mix.
- d) Retire all unused and unnecessary data storage capacity.

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

Answer: B

Question: 44

Which of the following describes an "Action Register"?

- A. A directory of key stakeholder responsibilities.
- B. A database of software and hardware assets.
- C. A list of tasks needed to deliver a Green IT project.
- D. A list of management concerns that need addressing.

Answer: C

Question: 45

Which of the following activities would make data centres more energy efficient?

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- d) Retire all unused and unnecessary data storage capacity.

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

Answer: B

Question: 46

Which of the following is one of the three market-based tools created by the Kyoto Protocol?

- A. Carbon credit initiative.
- B. Emissions trading.
- C. Footprint reduction fund.
- D. Carbon neutral implementation.

Answer: B

Question: 47

The United Nations Conference on Environment and Development is better known as:

- A. Rio Earth Summit.
- B. Rio Climate Carnival.
- C. Rio Environmental Conference.
- D. Rio Global Gathering.

Answer: A

Question: 48

You are greening your data centre. Which of the following is an initiative that should complement your project?

- A. The Product Design Strategy.
- B. The Sustainable Building Strategy.
- C. The New Building Strategy.
- D. The Carbon Offsetting Strategy.

Answer: B

Question: 49

Which of the following can help deliver quick wins for a Green IT Action Plan?

- a) Deferring milestones.
- b) Highlighting benefits.
- c) Creating opportunities.
- d) Setting challenges.

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

Answer: C

Question: 50

Which of the following is the BEST way to secure senior management commitment to a Green IT programme?

- A. Ensure they understand the cost of doing nothing.
- B. Ensure they attend all initial project strategy meetings.
- C. Ensure they are credited with creating the programme.
- D. Ensure they are responsible for all new product procurement.

Answer: A

Question: 51

A Green IT Action Plan should be?

- a) Transparent.
- b) Measurable.
- c) Actionable.
- d) Removable.
- e) Time based.

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

Answer: C

Question: 52

Which of the following categories are business benefits of Green IT?

- a) Lower costs.
- b) Increased competition.
- c) Modified culture.
- d) Improved continuity.

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

Answer: D

Question: 53

How can changes to the running of servers provide a 'quick win' when greening a data centre?

- A. By running them with minimal throughput.
- B. By running them at lower utilisation.
- C. By running them with full redundancy.
- D. By running them at higher temperature.

Answer: D

Question: 54

How can you ensure all stakeholders are informed about the process of your Green IT programme?

- A. Develop a Programme Plan.
- B. Create a Communications Plan.
- C. Produce a Stakeholder Competency Assessment.
- D. Maintain a Stakeholder Map.

Answer: B

Question: 55

Which of the following activities will deliver a 'quick win' when introducing a green printing strategy?

- a) Only print in draft mode.
- b) Use duplex printing.
- c) Only print in full colour.
- d) Use recycled cartridges.

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

Answer: C

Question: 56

Which of the following is the most likely reason for privacy and data protection regulations hampering Green IT initiatives?

- A. They increase the need for desktop PCs.
- B. They increase the need for data storage.
- C. They increase the need for standalone printers.
- D. They increase the need for virtualised computing.

Answer: B

Question: 57

Which of the following is a business benefit of using thin clients?

- A. Reduced data storage needs.
- B. Reduced maintenance costs.
- C. Reduced PC downtime.
- D. Reduced data duplication.

Answer: B

Question: 58

Your organisation has introduced a cost reduction strategy. How can your green IT programme help?

- A. Maximise equipment usage, minimise energy usage.
- B. Decrease power management, increase data redundancy.
- C. Maximise application security, minimise employee collaboration.
- D. Increase desktop applications, decrease server applications.

Answer: A

Question: 59

According to The Climate Group, how can IT help to green the logistics industry?

- A. Integrated systems allow more vehicles to carry smaller loads to more destinations.
- B. Virtualising services mean that more products can be delivered via the Internet.
- C. Lean supply chains use less fuel and power to deliver goods.
- D. Improved warehousing ensures that products can be stored for longer.

Answer: C

Question: 60

Which of the following roles is most likely to be accountable for integrating social and environmental issues into an organisation's business practices?

- A. Corporate Social Responsibility Manager.
- B. Volunteering and Charities Manager.
- C. Human Resources Manager.
- D. Business Development Manager.

Answer: A

Question: 61

Which of the following terms BEST describes an employee who promotes green initiatives within an organisation?

- A. Green Champion.
- B. Green Evangelist.
- C. Green Advocate.
- D. Green Leader.

Answer: A

Question: 62

Your organisation has just appointed a Chief Sustainability Officer. Which of the following could form part of their role?

- a) Reduce the organisation's carbon footprint.
- b) Measure environmental performance.
- c) Enhance the organisation's reputation.
- d) Reduce product development time.

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

Answer: A

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Answer: A

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