



PUNE VIDYARTHI GRIHA'S
COLLEGE OF SCIENCE AND TECHNOLOGY
Affiliated to University of Mumbai

Question Bank

Class: F.Y.B. Sc.CS

Semester: II

Subject: Green Technology

1. What is most commonly used for managing the resources for every virtual system?
Load balancer
Cloud
Router
Hypervisor

2. A typical computer monitor may contain more than 6 percent _____ by weight.
PCBs
Cadmium
Mercury
lead

3. Creating more logical IT resources, within one physical system is called
Load balancing
Hypervisor
Virtualization
Service Management

4. _____ is defined as the ratio of the power used by the IT equipment to the total amount of power used by data center.
Data Center Efficiency
Computing Equipment Power
Data Center Power
None of the above

5. A system that employs hundreds or thousands of hard drives for near line data storage are called
RAID

StEP
EPEAT
MAID

6. Alter your business processes in your supply chain management known as.

GREEN CHAINING
GREEN SUPPLY
GREEN INPUTS
GREEN SOURCING

7. VAN stands for

Value Added Network
Van Area Network
Various Area Network
Voluntary Area Network

8. Optimizing the life cycle of electrical and electronic equipment by improving supply chains is a prime objective of _____.

NGO's
StEP
CRT
USA

9. To monitor power consumption yourself, you need to use _____ POWER-

MONITORING SOFTWARE
POWER-MANAGING SOFTWARE
POWER-CONTROLLING SOFTWARE
POWER-CONSUMPTION SOFTWARE

10. Who coordinates and oversees green efforts

CHIEF SUSTAINABILITY OFFICER
CHIEF REUSABILITY OFFICER
CHIEF GREENING OFFICER
CHIEF SUPPLY OFFICER

11. It is a measurement of how efficiently the available storage space in a data center is used.

Storage Utilization
Storage density

CPU Utilization
SWaP

12. MAID stands for
Massive Action Idle Disks
Mass Array of Idle Disks
Massive Active Indian Disks
Massive Array of Idle Disks

13. The EPA's product rating system that assesses the environmental impact of consumer and commercial products is called:
Energy Star
Energy Check
Energy Point
Energy Score

14. The biggest source of wood consumption is _____ production.
paper
furniture
Ink
All of these

15. Benefit of custom centralized air handling system is
Better efficiency
Can use surplus and redundant capacity
None of these
Both of these

16. Who can offer power-savings tips as well as other services that can save you money
Service provider
Network Provider
Utility Company
Computer Company

17. When buying refrigerators and other appliances, you should buy models that has _____
ENERGY STAR COMPONENT
ENERGY STAR CERTIFICATE
ENERGY STAR EFFICIENCY

ENERGY STAR ACCEPTANCE

18. _____ allow the user to extract, analyse and view data from different points of view.

OLAP

Digital Dashboards

Data mining

Reporting software

19. Which set of standards addresses environmental management systems?

ISO 26000

ISO 9000

ISO 14000

ISO 31000

20. _____ = Total facility power/IT equipment power

PUE

PDU

DCE

KVM

21. _____ is one of the fastest growing components of waste stream in the world.

e-learning

e-shopping

e-waste

use of internet

22. _____ can run backward and can show how much you're sending back to the utility company.

TRANSDUCER

OSCILLATOR

RESONNATOR

METER

23. _____ can vaporize and enter the atmosphere, thus contributing to indoor air pollution.

Vigorous organic compounds

Volatile organic compounds

Various organic compounds

Vast organic compounds

24. It is a relational database management server.

PHP

Firefox

Microsoft SQL Server

Microsoft Performance point

25. _____ is a system that employs hundreds or thousands of hard drives for near-line storage.

RAID

MAID

SAID

Green Hard Drive

26. The technology used to distribute service requests to resources is referred to as _____

load performing

load scheduling

load balancing

all of the mentioned

27. _____ are drives that reduce the amount of power they use through a variety of mechanisms, including unloading the heads during idle time to reduce aerodynamic drag.

ECO FRIENDLY HARD DRIVE

REUSABLE HARD DRIVE

GREEN HARD DRIVES

RECYCLABLE HARD DRIVES

28. _____ company Excito offers a low-power, quiet Linux file and print server based on Debian Linux.

Japanese

American

Swedish

Rashian

29. It is used for coordinating among all the players of the organization so that customers are served well.

Customer Relationship Management

Workflow Management

Green Supply Chain

Green Procurement

30 The process of deforestation has released about 120 billion tons of _____ into the atmosphere

CARBON MONOXIDE

CARBON TRIOXIDE

LEAD

CARBON DIOXIDE

31. RoHS stands for

Resting of hazardous substance

Restriction of hazardous substance

Restriction of hazard of substance

Resting of happening substance

32 _____ implemented electronic waste disposal legislation prior to the EU WEEE Directive, but changed its legislation to include the EU's mandates.

Austria

Cyprus

Belgium

France

33. In an organization where the media is played from a CD,DV or hard drive ,the application buffers are set large enough to store as much of the media in memory as possible

Doing this increases power

Doing this reduces power

Doing this crashes the computers

Doing this crashes the server

34.Electricity is paid for per _____

WATT-HOUR

VOLT-HOUR

KILOWATT-HOUR

AMPHERE-HOUR

35.A good _____ and a system for storage are the keys to success in going paperless

PRINTER

SCANNER

PHOTOCOPIER

APPS

36. It is not only the organization which is responsible for protecting the environment and becoming green but the companies from which one is buying parts and services and companies with which one is in business with are also required to be ecologically responsible.

Customer Relationship Management

Workflow Management

Green Supply Chain

Green Procurement

37. Steps to measure carbon footprinting does not include

Do not Report the result to stakeholders

Baseline should be set

Define what all things contribute to carbon footprint

Track and analyze carbon footprint of organization

38. “_____” is a tool for reducing storage and bandwidth consumed from disk based backup.

data deduplication

Virtualization

Storage

Management

39. Which is not a benefit of virtualization?

Flexible and efficient allocation of resources

Lowers the cost of IT infrastructure

Remote access and rapid scalability

Run on single operating system

40. If you do have people located in the server room, which formula is used to calculate cooling is _____

Total Occupant BTU = Number of occupants × 200

Total Occupant BTU = Number of occupants × 600

Total Occupant BTU = Number of occupants × 400

Total Occupant BTU = Number of occupants × 800

41. _____ has traditionally been associated with working on the move E-MAIL

FAX

PAPER

CLIPBOARD

42.It helps in monitoring the overall progress and comparing that progress with the other organization.

Conduct Audits

Gather Data

Baseline Data

Benchmarking

43. Sun Microsystem operates its own telecommuting program called _____

iWork

Internet

windows

44. Use of _____ to block the open air above your racks that have been configured into a hot-aisle/cold-aisle layout.

Rigid enclosures

flexible strip curtains

Hot-aisle

cool aisle

45. Data duplication reduces power use

Yes

No

Maybe

May not be

46.In high-density datacenters, air has to be exchanged ___ times an hour

50

60

70

80

47 The less-expensive option is to use the Internet via _____ INFRARED

BLUETOOTH

WIFI

VOICE OVER IP

48. It is a mechanism that helps us set and achieves certain goals. Smart is an acronym where S-Specific, M-Mechanism, A-Attainable, R-_____, T-Timely.

Ready

Reactive

Regional

Realistic

49. _____ is charitable non-governmental organization which focuses on reducing the export of hazardous waste from development countries to developing countries.

Basel Action Network

Byte Back program

RoHS

StEP(Solving e-waste problem)

50. _____ creates healthier work environments. It also leads (no pun intended) to higher productivity and improved employee health and comfort.

Cartridges

LEED

Ink

Batteries

51. _____ is a software distribution model where a third party vendor offers its software to customers for use over the internet.

Google Assistant

VAN

SaaS

SAAS

52. Which is considered as a system in conjunction with the hot-aisle/cold-aisle design can equate to more energy efficiency.

DATA MANAGEMENT

EQUIPMENT MANAGEMENT

CABLE MANAGEMENT

DEVICE MANAGEMENT

53. Which system treats voice like e-mail

UNIFIED TELECOMMUNICATION

UNIFIED COMMUNICATION

UNIFIED DATA COMMUNICATION

UNIFIED INTER-COMMUNICATION

54. It is a mechanism that helps us set and achieve certain goals. Smart is an acronym where S-Specific, M-Mechanism, A-Attainable, R-Realistic, T-_____.

Tactic

Truly

Timely

Trusty

55. _____ is a measure of amount of energy consumed per square feet of floor space.

storage density

SWaP

Data Center Density

storage utilization

56. _____ is a major component of your power consumption and, by extension, your IT budget.

LED

monitor

pooling

Cooling

57. Data de-duplication is the tool for reducing storage and bandwidth consumed from disk based backup

Yes

No

Maybe

May not be

58. What can be build to keep exhaust heat from being sucked back into the device's cool air intakes.

HOT AISLES

RIGID ENCLOSURES

COOL AISLES

RACK FLOOR

59. Which system need to be install to easily add, delete, and update content

RMS

CRM

CMS

CIS

60. Which of the below is a Benchmarking way:

- Comparison with past performance
- Comparison with other industry average
- Comparison with established practices
- All of the above

61. The requirements for sell back power to utility companies are

- A meter
- Photovoltaic panels
- An inverter
- All of these

62. EPEAT stands for _____

- Electronic Product Environmental Assessment Tool
- Electric Product Environmental Assessment Tool
- Electronic Purchase Environmental Assessment Tool
- .Ecommerce Product Environmental Assessment Tool

63. To maintain the datacenter at the right level

- Lockout Economizer whenever necessary
- Establish a humidity sensor calibration schedule
- None of these
- Both of these

64. _____ units fragment where data is stored in the organization Direct-connected storage

- Direct-attached storage
- Direct-access storage
- Remote-attached storage

65. _____ allows members of your organization to do their work using Microsoft Office applications, e-mail, or web browsers

- MOSS
- FOSS
- AOSS
- IOSS

66. Actual _____ depends on amount and type of task, its utilization is low and not very efficient

Storage Utilization

Storage density

CPU Utilization

SWaP

67. How can an organizations reengineering process be more environment ready ?

Making a plan

Knowing your need

None of these

Both of these

68. Benefit of custom centralized air handling system is

Less maintenance is required

Uses fluid cooled chiller plants, which are much more efficient than water- and air-cooled data centers

None of these

Both of these

69. collaborative global initiative leading to global thinking ,knowledge ,and innovation in development of environmentally and ethically sound e-waste ,reuse, recycle ,recovery is known as _____

StEP(Solving e-waste problem)

STEP (Solving e-waste problem)

RoHS

EEE

70. Which technique involves identical hardware and operating systems to ensure a smooth rollover in the event of tragedy

Virtualization

Cloud

Clustering

Remote Access

71. _____ implemented electronic waste disposal legislation prior to the EU WEEE Directive, but changed its legislation to include the EU's mandates.

AUSTRIA

BELGIUM
CYPRUS
FRANCE

72. When a greater number of virtualized tasks are added to the server, its efficiency _____ and also the utilization.

Increases
Decreases
Does not change
Fluctuates

73. Indirect emission are the emissions that are generated by the activities of the company but the sources can be owned by outsider.

No.
Maybe
May not be
Yes

74. _____ is charitable non-governmental organization which focuses on reducing the export of hazardous waste from development countries to developing countries.

StEP(Solving e-waste problem)
Byte Back program
Basel Action Network
RoHS

75. How many types of economizers are there

1
2
3
4

76. A ___ also allows you to grow in a logical, efficient manner

LAN
WAN
MAN
SAN

77. Electronic Waste Recycling Act is adopted by which state. CALIFORNIA
NEW YORK

TEXAS

UTAH

78. A server is performing 500 operations, has 5 racks and consumes 400 watts of power. So, SWaP will be _____.

25

2.5

0.25

0.025

79. A system that employs hundreds or thousands of hard drives for near line data storage are called

RAID

EPEAT

StEP

MAID

80. When creating requests for proposals, make sure to include a green component as well as clear metrics for their measurement as part of _____.

Analyze global issues

Communicate Suppliers

supplier performance management

supplier management

81. _____ can vaporize and enter the atmosphere, thus contributing to indoor air pollution.

VOCs

Carpet

Paint

Cleaning Products

82. If your organization uses a lot of direct-attached storage, you will see a huge power savings if you switch over to a _____

LARGE AREA NETWORK

STORAGE AREA NETWORK

PROCESS AREA NETWORK

HARD DISK

83. _____ devices are especially helpful if you have grass to water

RAIN START ON

RAIN TURN OFF
RAIN TURN ON
RAIN SHUT OFF

84. They present and organize information in a way that is easy to read and track. They also help in understanding the business conditions at-a-glance.

OLAP

Digital Dashboards

Data mining

Reporting software

85. Direct emission are the emissions from the sources owned by the company

May not be

Maybe

No

Yes

86. _____ are small, handheld computers with touch screens that allow you to enter information.

New Phones

Tablet PCs

Laptops

PDA's

87. _____ Used in small amounts in bulbs to backlight flat-panel computer monitors and notebook displays.

PVC B)

Cadmium

Mercury

Lead

88. Ten 100 W light bulbs will use a total of _____ of electricity per hour 1 kWh

10 kWh

100 kWh

0.1 kWh

89. Which program, help reduce the amount of reusable business waste going into landfills

collabration Buying

Combine buying

Cooperative Buying
Collabrative Buying

90. _____ allow the user to extract, analyse and view data from different points of view.

OLAP

Digital Dashboards

Data mining

Reporting software

91. Point out the correct statement.

A cloud has multiple application instances and directs requests to an instance based on conditions

A client can request access to a cloud service from any location

All of the mentioned

Computers can be partitioned into a set of virtual machines with each machine being assigned a workload

92 _____ recommends selecting recyclers who maximize reuse, refurbishment, and recycling over disposal and incineration.

RIOS

IAER

EDI

EPA

93 _____ the components can be recycled into everything from automobile parts to office equipment.

CDs

DVDs

CDs & DVDs

None of these

94 _____ panels absorb solar radiation

PHOTOVOLTAIC

PHOTORADIATOR

PHOTORECEPTOR

PHOTOSOLAR

95. Plastic bags are made of _____ products and do not biodegrade and cannot be recycled

PETROLEUM

ALCOHOLIC

ACIDIC
NATURAL

96.They provide aggregated views of data which is being tracked.

OLAP
Digital Dashboards
Data mining
Reporting software

97. It is an array of servers that are managed by a virtual storage system.

Application virtualization
Storage virtualization
Desktop virtualization
Network virtualization

98. _____ is achieved using specialized software which creates partitions of a server into smaller virtual servers to maximize server resources.

Virtualization
Socialization
communication
Transmission

99. _____ is defined as the total amount of greenhouse gas emission caused by organization expressed as Co2.

oxygen footprint
carbon footprint
nitrogen footprint
toxin footprint

100. _____ server was designed to be left on all the time, without using much power or generating a lot of noise and uses only 10 watts of power BUBBA

BUDDHA
BUBBLE
BUBBLY

101.MSDS ELOBRATED AS _____
METAL SAFETY DATA SHEET
MATERIAL SAFETY DATA SHEET
MATERIAL SECURITY DATA SHEET

MATERIAL SAFETY DATA STUDY

102. This software provides information about status and results of various transactions, processes and operations.

OLAP

Digital Dashboards

Data mining

Business monitoring software

103. BAN runs this campaign

Crime

Basel Ban Ratification

None of these

Watch the dog

104. _____ evaluates electronic products according to three tiers of environmental performance : bronze , silver, and gold.

WEEE

WEE

EEAT

EPEAT

105. This program or an operating system feature allows user to connect to a computer in another location.

Remote Desktop

Intranet

EDI

E-Commerce

106 _____ known to cause cancer, liver failure, miscarriages, birth defects, and genetic damage in laboratory animals

MONOXIN

TRIOXIN

DIOXIN

PENTOXIN

107 _____ are drives that reduce the amount of power they use through a variety of mechanisms, including unloading the heads during idle time to reduce aerodynamic drag.

ECO FRIENDLY HARD DRIVE
REUSABLE HARD DRIVE
GREEN HARD DRIVES
RECYCLEABLE HARD DRIVES

108. Amount of waste generated by the business has a huge impact on _____.

- User
- Server
- Environment
- None of the above

19. It helps a user to have remote access to an application from a server.

- Desktop virtualization
- Network virtualization
- Application virtualization
- Storage virtualization

110. A _____ is a private Internet operating within an organization.

- Arpanet
- WIFI
- bluetooth
- Intranet.

111. Recycling reduces

- all of the above
- air pollution
- energy usage
- water pollution

112. The sale of electronics containing which material is NOT prohibited by the RoHS directive?

- Tungsten
- Mercury
- Hexavalent chromium
- Lead

113. Cooling needs are calculate using

- Window
- Equipment
- Lighting

All of these

114. Buildings employing _____ solar techniques have walls, floors, ceilings, and more that are designed to gather and disperse solar heat to both air and water.

passive

static

reactive

active

115. _____ allows exchange of business documents in a standardized electronic format between business partners.

Electronic Data Interchange (EDI)

Google

WhatsApp

Internet Explorer

116. To maintain the datacenter at the right level

Lockout Economizer whenever necessary

Both of these

Establish a humidity sensor calibration schedule

None of these

117. Cooling needs are calculate using

Window

Room size

People in the room

All of these

118. What Components are required to build an intranet?

LAN

Web server

All of these

Web page developer software

119. The Policy & Legislation of StEP program deals with reporting and analysing the status of existing techniques and policies for managing e-waste

No

May not be

Maybe

Yes

120. StEP Task Forces does not include

ReDesign

Policy Legislation

ReCycle

ReSearch

121. How many types of economizers are there

2

1

3

4

122. _____ evaluates electronic products according to three tires of environmental performance : bronze , silver, and gold.

EEAT

EPEAT

WEE

WEEE

123. EPEAT does not address which criteria?

Packaging attributes

Manufacturing

Corporate performance

Management of enf of life products

124. What is the hazardous pollutant released from telephones?

Lithium

Copper

Barium

Lead

125. Power Usage Effectiveness is calculated by:

Dividing energy used for the IT department by energy used for the entire organization

Multiplying energy used per hour by number of operating hours per year for the IT department

Dividing energy needed to power IT equipment by total number of servers
Dividing energy used to maintain IT facilities by energy needed to power IT equipment

126. What is the iron and steel that constitutes e-waste?

20

30

40

50

127. Which toxic compound is not found in e-waste?

Mercury

Cadmium

Neon

Lead

128. Which of the hazardous pollutants occurs in plastic?

Lithium

Lead

PCBs

Copper

39. Which is not a benefit of virtualization?

Flexible and efficient allocation of resources

Lowers the cost of IT infrastructure

Run on single operating system

Remote access and rapid scalability

130. Through consolidation and _____ one can reduce machines in a organization

Socialization

Virtualization

Materialization

Personalization

131. In an organization where the media is played from a CD,DV or hard drive,the application buffers are set large enough to store as much of the media in memory as possible

Doing this crashes the computers
Doing this reduces power
Doing this increases
Doing this crashes the server

132. Adopting green IT cannot save a huge amount of organizations money on hardware and power as compared to current practices.

No
Maybe
Yes
May not be

133. Which of the following elements make e-waste hazardous in nature?

Iron
Glass
Plastic
Lead

134. StEP stand for

Solving the E-Waste Problem
Solving the Electronic Problem
Send time E-Waste Planning
Standard time Environment Planning

135. How can an organization's reengineering process be more environmentally ready ?

Both of these
Not knowing the needs
Not making a plan
None of these

136. What is the hazardous pollutant released from calculators?

Copper
Lithium
Mercury
Lead

137. Installing software on a centralized server and sending it to users as needed is called:

Application migration

Application streaming
Application sending
Application swapping

138. MAID stands for
Mass Array of Idle Disks
Massive Array of Idle Disks
Massive Active Indian Disks
Massive Action Idle Disks

139. Which materials can be extracted from alkaline batteries and used in the creation of new ones?
Steel and cadmium
Steel and zinc
Lead and lye
Lithium and carbon

140. The most valuable part of a PC or TV is the
copper in the cathode yoke
circuit boards that contain silver and gold
lead in the CRT
none of the above

141. _____ is achieved using specialized software which creates partitions of a server into smaller virtual servers to maximize server resources.
communication
Transmission
Socialization
Virtualization

142. What is the hazardous pollutant released from circuit boards?
Barium
Arsenic
Copper
Lead

143. _____ is a server chassis housing multiple thin , modular electronic circuit board that are dedicate to a single application

Storage Servers

Cloud servers

Application Servers

Blade Servers

144. The panels that absorb solar radiation made of silicon an coated with tempered glass and mounted on the roof of a free standing pole shows

Low power computer

Net metering

Sell back panels

Inverter

55. _____ is one of the fastest growing components of waste stream in the world.

e-waste

e-learning

e-shopping

use of internet

146. What does PDA stands

Personal Digital Assistant

Personal Digit Assist

Personal Digital Assistant

Personal Digital Assist

147. EPEAT stands for _____

Electronic Purchase Environmental Assessment Tool

Ecommerce Product Environmental Assessment Tool

Electronic Product Environmental Assessment Tool

Electric Product Environmental Assessment Tool

148. Recirculation of equipment exhaust can be prevented using

On demand cooling

Rigid enclosures

Vapor seal

Cable management

149. which of the following is not component of Intranet

WAN

Web Browser
LAN
Web server

150. By stripping away many components of traditional servers and collectively relying on additional functions of the enclosure that houses them, _____ servers are able to consume significantly less power while completing the same processes.

blade

reflective

converged

ensured