

Q.P. Code :05345

[Time: 2:30 Hours]

[Marks:75]

Please check whether you have got the right question paper.

- N.B:
- 1) All questions are **compulsory**.
 - 2) **Figures to the right** indicate marks.
 - 3) **Draw suitable diagrams and illustrations wherever necessary**.
 - 4) **Mixing of sub-questions is not allowed**.

Q.1 Attempt All the Questions

A. Choose the correct alternative

5 M

- i. SAN is -----
 - a) Storage Area Network
 - b) Storage Attached Network
 - c) Storage Access Network
 - d) None of the Above
- ii. The ----- state indicates the CPU is in power down mode
 - a) C0
 - b) C2
 - c) C1
 - d) C6
- iii. ----- is replacing some old parts and upgrading computer according to requirement
 - a) Refurbishing
 - b) Recycling
 - c) Returning
 - d) Reusing
- iv. The ----- mode retains the state of the system whereas internal devices and optical drives are powered off.
 - a) Shut Down
 - b) Stand By
 - c) Power Off
 - d) Hibernate
- v. RAID stand for -----
 - a) Repeated Array of Internal Disks
 - b) Redundant Array of Internal Disks
 - c) Redundant Array of Independent Disks
 - d) Redundant Array of Independent Disks

B. Fill in the blanks (Choose one from the pool)

{Network Area Storage, Decision Support System, e-commerce, Energy Star, RoHS, Executive Support System, e-waste } 5M

- i. ----- is any unwanted or damaged electronic component.
- ii. ----- is a storage device that allows storage and retrieval of the data from centralize location to authorized users.
- iii. ----- is the process of buying and selling goods and services through computer or mobile systems via internet etc.
- iv. ----- are analytical tools which help manager to take relatively routine decision on and use information from different levels of organization.
- v. ----- is an international standard that marks the energy efficiency of electronic products.

C. Explain the following in one or two lines

- i. LEED
- ii. Sustainable Software
- iii. Green Washing
- iv. WUE
- v. Holistic Approach to Green IT

5M

Q.2 Attempt the following: (Any Three)

- A. Discuss the various green IT strategies.
- B. Write a short note on sustainable development.
- C. Explain the life cycle of a device.
- D. Explain the following Green IT standards:
 - i. EPEAT
 - ii. WEED
- E. What is the holistic approach to green IT? Explain.
- F. What measures can be taken for the usage of IT resources to enhance environmental sustainability?

15M

Q.3 Attempt the following: (Any THREE)

- A. List and explain various P-states (processor states).
- B. Write a short note on Network Area Storage.
- C. What are the energy Implementations for data center facility infrastructure?
- D. What is green network protocol? State its objectives.
- E. Explain the business dimensions for green IT transformation.
- F. Describe the key dimensions of Green IT.

15M

Q.4 Attempt the following: (Any THREE)

- A. Write a short note on Functional Level Information.
- B. Explain the concept of Sustainable ICT.
- C. Write a short note on SITS.
- D. What is G-readiness framework? Explain its important properties.
- E. List and explain the business dimensions for greening enterprise.
- F. Discuss the various issues faced in greening the inter-organizational enterprise activities?

15M

Q.5 Attempt the following: (Any THREE)

- A. Explain Reuse, Recycle and Dispose with respect to IT devices.
- B. Write a short note on IT infrastructure management.
- C. Discuss the various sustainability hierarchy models.
- D. List various software sustainability attributes.
- E. Write a note on Green IT Standards.

15M