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   5 M

A. Choose the correct alternative

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   5M
System, e-waste }

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.

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C. Explain the following in one or two lines   5M
   i.   LEED
   ii. Sustainable Software
   iii. Green Washing
   iv. WUE
   v.   Holistic Approach to Green IT

Q.2   Attempt the following: (Any Three)   15M
   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?

Q.3   Attempt the following: (Any THREE)   15M
   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.

Q.4   Attempt the following: (Any THREE)   15M
   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?

Q.5   Attempt the following: (Any THREE)   15M
   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.