

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

5M

A) Choose the correct alternative

- is integration of computer resources from various locations to form a common virtual platform.
 - a) Grid Computing
 - b) Distributed Computing
 - c) Cloud Computing
 - d) None of the Above
- DAS is
 - a) Direct Area Storage
 - b) Direct Access Storage
 - c) Direct Attached Storage
 - d) Direct Access Service
- is an international standard that marks the energy efficiency electronic products.
 - a) LEED
 - b) Energy Star
 - c) WEEE
 - d) EPEAT
- SSD's consume ----- energy then HDD's.
 - a) Less
 - b)equal
 - c) no
 - d) more
- focuses on the needs and requirements of upper management and help them on strategic management of organizations.
 - a) Executive Support system
 - b) Decision Support System
 - c) Management Information System
 - d) Transaction Support System

B) Fill in the Blanks (Choose one from the pool)

5M

{e-waste, CO, data server, server farm, P0, context awareness,C6}

- A server cluster is also known as -----
- is any unwanted or damaged electronic component.
- is developing application software that adapt to changes in the environment.
- The ----- state indicate 100% CPU use.
- is a central repository for data storage and management.

C) Explain the following in one or two lines

5M

- Green Washing
- Public Cloud
- PUE
- Types of RAID
- SICT

Q.2 Attempt the following: (Any THREE)**15M**

- A. Explain the various environmental impacts of IT.
- B. Write a short note on green washing.
- C. Discuss the software tools used to create energy efficient applications.
- D. Explain the life cycle of a device.
- E. What are the 3 R's of green IT?
- F. Write a short note on sustainable software.

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

- A. Explain the various green data center metrics.
- B. Write a short note on Green Network protocol.
- C. Discuss in short the business drivers of green IT.
- D. What energy efficiency technologies should be used to reduce running cost in data center?
- E. Describe the organizational considerations in Green IT Strategy.
- F. Write a short note on Storage Area Networks.

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

- A. Discuss the different levels of information flow
- B. Explain the various stages of Life Cycle Assessment.
- C. Write a note on G-Readiness Framework.
- D. List and explain the 4 business dimensions for greening enterprise.
- E. Discuss Organizational Level Information?
- F. Write a note on SITS.

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

- A. List and explain energy saving software techniques.
- B. Discuss the impact of 'electronic devices' on the environment during each phase of their life cycle.
- C. What are the steps involved in developing a green IT strategy?
- D. What are the various issues faced in greening the inter-organizational enterprise activities?
- E. Write a note on Green IT Standards.