

Time : 3 Hours

Total Marks: 80

- N.B.** (1) Question No. 1 is compulsory.
(2) Attempt any three of the remaining five questions.
(3) Figures to the right indicate full marks.

- Q.1 Write short notes on: [20]
a) Nine principles of green engineering
b) Any 2 hazardous chemicals used in the manufacturing of electronic devices
c) Blade servers
d) Green Enterprise
- Q.2 (a) Explain the lifecycle of a device in detail [10]
(b) Explain recycle, reuse and refurbish in green computing in detail and with an example [10]
- Q.3 (a) Explain processor power states in detail [10]
(b) Explain storage media power characteristics [10]
- Q.4 (a) Explain any five software sustainability attributes and their metrics [10]
(b) Explain server farm and grid computing [10]
- Q.5 (a) What is state transitioning and caching for hard disks? [10]
(b) Explain the four objectives of energy optimization [10]
- Q.6 (a) Explain the business drivers of green IT strategy [10]
(b) Explain the cloud computing deployment models [10]
