

**(3 Hours)****[Total Marks : 80]**

- N.B. :** 1) Question No.1 is **compulsory**.  
 2) Attempt any **three** from the remaining **five** questions.  
 3) Draw suitable diagrams wherever required

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|------------|----------|---|-----------|
| <b>Q.1</b> | <b>A</b> | List and Explain Business drivers of Green IT Strategy                          | <b>10</b> |
|            | <b>B</b> | What is green data centre? Explain Green data centre metrics.                   | <b>10</b> |
| <b>Q.2</b> | <b>A</b> | List and Explain Steps in developing a Green IT Strategy.                       | <b>10</b> |
|            | <b>B</b> | Explain in detail the life cycle of device or hardware.                         | <b>10</b> |
| <b>Q.3</b> | <b>A</b> | Explain Business dimensions for green IT Transformations                        | <b>10</b> |
|            | <b>B</b> | Explain energy Management Techniques for hard disks.                            | <b>10</b> |
| <b>Q.4</b> | <b>A</b> | Explain Green Data storage, Networks and Communications with suitable examples. | <b>10</b> |
|            | <b>B</b> | Explain the term Telepresence and Telecommuting.                                | <b>10</b> |
| <b>Q.5</b> | <b>A</b> | Explain the term Reuse, Recycle and Dispose in Green Computing                  | <b>10</b> |
|            | <b>B</b> | What are Energy-Saving software techniques?                                     | <b>10</b> |
| <b>Q.6</b> |          |   | <b>20</b> |
|            |          | Write short notes on <b>(any four)</b>  |           |
|            | <b>A</b> | Regulating Green IT   |           |
|            | <b>B</b> | Three R's of Green IT   |           |
|            | <b>C</b> | Green software  |           |
|            | <b>D</b> | Power consumption issues.   |           |
|            | <b>E</b> | Smart Grid  |           |
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