T.E. (IT) (Sem -VI) (CB) Date-16/12/19

(3 hours) Total Marks: 80

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

Q.1 Attempt any **Four** out of **Five** questions

    a. Explain OCED framework for Green IT   5
    b. What is Green Washing?   5
    c. What is Triple Bottom frame work ?   5
    d. What is Life Cycle Assessment? Explain 4 stages of LCA.   5
    e. Explain SITS value curve in SITS strategic framework.   5

Q.2   a. Explain life cycle of a device or hardware in detail.   10
    b. Give few examples to illustrate how context awareness leads to "Smarter"
         device ?   10

Q.3   a. Explain sustainable software methodologies.   10
    b. What are different power states of hard disk ?   10

Q.4   a. Briefly describe and compare the major system level energy management
         schemes?   10
    b. Describe key facilities and IT components within data centres.   10

Q5.   a. What is strategic thinking, planning and implementation for green initiatives?   10
    b. Descibe strength and weaknesses of G-readiness framework   10

Q.6 Write a short note on (**any four**)

    a. Strategies to reduce carbon emission suggested by BSR   5
    b. Three R's of Green IT   5
    c. Differences between WEEE, RoHS and REACh   5
    d. Explain Green enterprise from Value chain perspective   5
    e. In brief explain SICT capability building blocks   5