

**TILAK MAHARASHTRA VIDYAPEETH, PUNE**  
**MASTER OF SCIENCE (M.SC) IN COMPUTER APPLICATIONS**  
**EXAMINATION : DECEMBER-2022**  
**SEMESTER - II**  
**Sub : Green Computing - (MSC 203-19)**

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**Date : 22/12/2022**

**Total Marks : 60**

**Time: 2.00 pm to 04.30 pm**

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**Instruction:**

1. All questions are compulsory unless and otherwise stated.
  2. Bold figures to the right of every question are the maximum marks for that question.
  3. Candidates are advised to attempt questions in order.
  4. Answers written illegibly are likely to be marked zero.
  5. Use of scientific calculators, Log tables, Mollier Charts is allowed.
  6. Draw neat and labelled diagrams wherever necessary.
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**Q.1 Answer the following in 2-3lines. (Any 5) (10)**

1. Explain Refurbish
2. What is Solid State Drive?
3. What is Green Data Center?
4. What is sustainable software?
5. Write five stages of device life cycle.
6. What is Green IT?
7. What is Virtualization?

**Q.2 Answer the following in short. (Any 4) (20)**

1. Explain Desktop Computer
2. Explain Packaging and Transportation process
3. Explain environmental impact of IT
4. Explain Green Data Storage.
5. What is Green IT 1.0 and 2.0
6. Explain Green Cloud Computing

**Q.3 Answer the following in detail. (Any 3) (30)**

1. How would you design the manufacturing process of a product (say, a mobile phone) while also considering its environmental impact during manufacturing?
2. What is meant by green IT? Why is it gaining greater relevance and importance now?
3. How can software impact the environment and the energy consumption of computing systems?
4. What are the various e-waste disposal techniques, and which is the most effective among them and why?
5. What is meant by 'green washing'? Explain with examples.