

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

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**Date : 01/07/2022**

**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. What is Virtualization?
2. What is Server?
3. What is sustainable software?
4. Sustainable Development?
5. What is Green IT?
6. What is Magnetic Tape?
7. What is Solid State Drive?

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

1. Holistic Approach to Greening IT
2. Explain The Three Rs of Green IT?
3. Explain Green Cloud Computing?
4. Explain Green Data Storage?
5. Explain Green Software?
6. Packaging and Transportation process?

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

1. What is meant by green IT? Why is it gaining greater relevance and importance now?
2. What are the different dimensions or directions of green IT?
3. What are key subsystems of IT that could be made greener? Briefly explain.
4. What is meant by 'green washing'? Explain with examples.
5. What are the various e-waste disposal techniques, and which is the most effective among them and why?