

**TILAK MAHARASHTRA VIDYAPEETH, PUNE**  
**MASTER OF COMPUTER APPLICATIONS**  
**EXAMINATION : DECEMBER - 2023**  
**SEMESTER - II**  
**Sub : Green Computing (MCA- 201-22)**

---

**Date : 19/12/2023**

**Total Marks : 30**

**Time: 10.00 am to 11.30 pm**

---

***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 diagram wherever necessary.*
- 

**Q. 1. Answer the following in short. (Any 4) (20)**

- 1 What are the components of green computing?
- 2 What is sustainable growth?
- 3 Define cloud computing
- 4 Define magnetic tape.
- 5 What is green computing?
- 6 What is energy-efficient computing?

**Q. 2. Answer the following in detail. (Any 1) (10)**

1. What are the ethical considerations in green computing?
2. How can green computing reduce carbon emissions?

-----