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MASTER OF COMPUTER APPLICATIONS (MCA)
EXAMINATION: MAY/JUNE- 2026
SEMESTER - I

Sub : Green Computing (MCA24-102)

Date : 2/06/2026

Total Marks : 60

Time: 10.00 am To 12.30 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 2 - 3 lines. (Any 5) (10)

1. What is sustainable development?
2. What are specialized devices?
3. What are Mobile Devices?
4. What is grid computing?
5. What Hazardous chemicals are used in electronic devices?
6. What is rack mounted server?
7. What is a blade server?

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

1. What is the environmental impact of IT?
2. What is green Data Center?
3. What is Green IT 1.0 and 2.0?
4. Write short note on REACH?
5. What are the Objectives of Green Networking?
6. Explain Virtualization. List down its key Benefits.

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

1. What are the Three Rs of Green IT
2. Write in detail about Life Cycle of a Device or Hardware.
3. What are the benefits of Energy-Efficient Networks.
4. Write in detail about Server Power Management in the Data Centre.
5. Write in detail about desktop computer.
