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MASTER OF SCIENCE (M.Sc) in COMPUTER APPLICATIONS
EXAMINATION : DECEMBER - 2024
SEMESTER - I
Sub : Green Computing (MSC24 -102)

Date : 26/12/2024

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 an eco-friendly?
2. What is Green IT?
3. How does green computing benefit the environment?
4. How does energy-efficient hardware contribute to green computing?
5. What are the primary goals of green computing?
6. What is e-waste?
7. What role do data centers play?

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

1. Explain impact of e-waste on health?
2. How does virtualization support green computing?
3. What are the core principles of green computing?
4. What are the main challenges in implementing green computing?
5. How can IoT (Internet of Things) support green computing efforts?
6. How can individuals adopt green computing practices?

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

1. How can companies manage electronic waste effectively?
Describe how does green computing reduce the carbon footprint of
2. technology?
3. Explain how can green computing influence the lifecycle of a product?
4. What are the social impacts of green computing?
5. What role do data centers play in green computing?
