

CS8078 GREEN COMPUTING

QUESTION BANK

UNIT – 1

PART – A

1. Define Green computing
2. What is meant by green IT?
3. Define the term recycling.
4. Define Green IT strategy.
5. Mention any two green IT strategies that are beneficial to an organisation.
6. Define the term GPR.
7. State the major IT areas that influence the environment.
8. Define the term carbon foot print.
9. How the carbon foot print works?
10. Define carbon cycle.
11. Define fossil fuels.
12. Define renewable energy
13. Define non-renewable energy.
14. Differentiate the renewable and non-renewable energy sources
15. Give an example for renewable and non-renewable energy source.
16. What are the futures of renewable energy source?
17. What are the different types of renewable energy source?
18. Define green IT drivers.
19. What are the drivers that are associated with green IT drivers?
20. Define ERBS?
21. What are the policies and practice in ERBS?

PART – B

1. Briefly explain about the basics of Green Computing with an example
2. Explain briefly the current situation of environment and Information technology
3. Explain the major IT areas that affect the environment.
4. Define carbon foot print and explain how it is work?
5. Briefly explain about the renewable and non-renewable energy sources.
6. Explain with an example the types of renewable energy source.
7. Explain the different types of energy consumer that are used in your home.
8. Explain with all necessary information about the Green IT Drivers
9. Define ERBS. Explain briefly about it with all necessary information.

CS8078 GREEN COMPUTING

QUESTION BANK

UNIT – 2

PART – A

1. Define the term Green Asset
2. Define Procure, Run and Demolish
3. What are the different types of asset?
4. Define building and facility management.
5. Define green IT hardware
6. Define Data servers .
7. Define end user computer
8. Define green Data centers.
9. What are the factors that include in green data centers?
10. Define green business process management
11. Define the concept of green reengineering
12. Define collaborative green process
13. Define organizational green process.
14. Define individual green process
15. Define green business analysis.
16. Define GIA
17. What are the requirements of GEA?
18. Mention any three aspects of Green Solution Architecture.
19. Define green supply chain management.
20. What is meant by green information system?
21. What are the phases in a GIS development and Deployment?
22. State the features of GIS.
23. Define the requirement of GIS.
24. Define Green Organising portal
25. Define green standard portal

PART – B

1. Define green Assets and briefly explain about the types of Green Assets.
2. Briefly explain about the Green IT Hardware
3. With all necessary information briefly explain about the green data centers.
4. Explain the core concept of Green business process Management
5. Explain briefly about the Green process
6. Explain about the Green Enterprise Architecture
7. Explain briefly about the Aspects of Green Solution Architecture.
8. Briefly explain about the modelling and architecture of GIS .

CS8078 GREEN COMPUTING

QUESTION BANK

UNIT – 3

PART – A

1. Define Data Centers
2. Define virtualization
3. What are the types of virtualization?
4. What are the advantages of virtualization?
5. Define the application of Virtualization.
6. Define Storage virtualization.
7. Define the term network virtualization
8. What are the benefits of visualization?
9. What are the drawbacks of virtualization?
10. Define telecommuting.
11. What are the savings that offered the telecommuting?
12. What are the pros and cons of working at home?
13. What ways thus the telecommuting works?
14. What are the things that are needed to work efficiently in home?
15. How will you reduce the green carbon emission?
16. What are the steps to conduct the meeting on webminar?
17. Define remote desktop services.
18. Define Material recycling.
19. State the issues in exporting e-waste.
20. State the reason for recycling the computer.
21. What ways thus make your system in clean?
22. What the best ways are for make your PC Green?
23. Define green Grid Framework.

PART – B

1. Define Virtualization and Discuss all the aspects and types of Virtualization.
2. Briefly explain about the Telecommuting and explain how it is work?
3. Briefly explain what you need to work efficiently in home?
4. Explain how will you reduce the carbon emission with free phone services
5. Briefly explain about the material recycling.
6. Briefly explain the best way to make your PC green.
7. Explain in detail about the Green Grid framework and Green Data Centers.

CS8078 GREEN COMPUTING

QUESTION BANK

UNIT – 4

PART – A

1. Define the term Socio Culture.
2. Define Green IT Social impact.
3. Define Green social Stake holders?
4. Define the roles of green IT.
5. What is meant by Green IT ethics?
6. Mention any three code of conduct thus the organisation will follow.
7. Define the privacy and security of Green Informations.
8. Define green washing.
9. What are the two major areas of communications?
10. Define the term Green IT projects.
11. Define the categories of communication channel that need to considered in green IT project.
12. Define the term GET
13. What is the necessity of green ICT framework?
14. Define equipment recycling.
15. Listout the characteristics of End user Computing
16. Define enterprise Computing.
17. What are the different types of networking?
18. Listout the Green ICT action.
19. What are the different green Protocols and standards?
20. Define Kyoto Protocol.
21. Define Green IT Audit

Part – B

1. Write short notes on Green ICT technology with necessary informations
2. Briefly explain about the Green IT Audit
3. Briefly explain about the Green Transformation process
4. Write short notes on Green ICT actions.
5. Write brief notes on Green ICT framework.
6. Briefly explain about the Green Enterprise Transformation road map.
7. Write short notes on Green IT Ethics and Code of conduct.
8. Write brief notes on Socio culture aspects and green It