SRM VALLIAMMAI ENGINEERING COLLEGE

**(An Autonomous Institution)**

SRM Nagar, Kattankulathur– 603203

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING, DEPARTMENT OF INFORMATION TECHNOLOGY AND AI & DS**

# QUESTION BANK



**VIII SEMESTER**

**1904803 – GREEN COMPUTING**

# Regulation–2019

**Academic Year 2023–24 (Even Semester)**

# Prepared by

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SUBJECT CODE & NAME : 1904803- GREEN COMPUTING SEMESTER / YEAR : VIII / IV

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| **UNIT I – FUNDAMENTALS** | | | |
| Green IT Fundamentals: Business, IT, and the Environment –Green computing: carbon foot print, scoop on power –Green IT Strategies: Drivers, Dimensions, and Goals – Environmentally Responsible Business: Policies, Practices, and Metrics | | | |
| **PART A** | | | |
| **Q.No** | **Questions** | **BT Level** | **Competence** |
| 1. | **Define** Green computing. | BTL1 | Remember |
| 2. | **What** are the 3Rs of Green IT? | BTL1 | Remember |
| 3. | **Distinguish** between EI and BI. | BTL2 | Understand |
| 4. | **What** the major factors that contribute to carbon emissions in an organization? | BTL1 | Remember |
| 5. | **Point out** the specific ways in which a comprehensive Green IT strategy is benefits an organization. | BTL4 | Analyze |
| 6. | **Give** the major IT area Influencing Environment. | BTL2 | Understand |
| 7. | **Wha**t is ERBS? | BTL1 | Remember |
| 8. | **List** four encompassing layers of a comprehensive Green IT vision of an enterprise. | BTL1 | Remember |
| 9. | **Classify** the challenges of carbon economy. | BTL4 | Analyze |
| 10. | **Define** carbon foot print. | BTL1 | Remember |
| 11. | **Illustrate** the concepts of Business intelligence. | BTL3 | Apply |
| 12. | **Compare** environmental practices that can be incorporated in green organization. | BTL4 | Analyze |
| 13. | **Describe** the impact of BI to EI. | BTL2 | Understand |
| 14. | **Give** elements of an ERBS forming the Green Strategies Mix. | BTL2 | Understand |
| 15. | **Illustrate** the drivers for environmental responsibility of business relationship used in Use case. | BTL3 | Apply |
| 16. | What are the steps in developing an ERBS? | BTL3 | Apply |
| 17. | **Generalize** about Green organizational goals to be achieved through policy development. | BTL6 | Create |
| 18. | **Evaluate** about Lean Impact on Green Computing. | BTL5 | Evaluate |
| 19. | **Generalize** your views about Environmentally responsible business policies. | BTL6 | Create |
| 20. | **Define** green sustainable policy. | BTL5 | Evaluate |
| 21. | **Interpret** the need for green computing. | BTL2 | Understand |

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| 22. | | **Categorize** the green IT drivers? | BTL4 | | Analyze | |
| 23. | | **Classify** the 5 M’s of Carbon metrics | BTL3 | | Apply | |
| 24. | | **Predict** the types of carbon emissions under scope? | BTL5 | | Evaluate | |
| **PART –B** | | | | | | |
| 1. | **Explain** with a neat diagram, how Information technology influences business, society, and environment. | | 13 | BTL4 | | Analyze |
| 2. | **Give the** challenges of carbon economy. | | 13 | BTL2 | | Understand |
| 3. | **Explain** Interplay of business and environment through information technology. | | 13 | BTL4 | | Analyze |
| 4.a | **Examine** the Green Enterprise Characteristics. | | 07 | BTL3 | | Apply |
| 4.b | **Classify** the impact of Business to Environmental Intelligence. | | 06 |
| 5.a | Explain Green IT Drivers? | | 07 | BTL1 | | Remember |
| 5.b | **Identify** the relevance of business strategies to environmental Intelligence. | | 06 |
| 6.a | What are Environmental factors influencing organization’s business strategies over next 3–5 years. | | 08 | BTL1 | | Remember |
| 6.b | **Describe** Green IT Strategies: Range of Impact. | | 05 |
| 7. | **Summarize** the impact of Green IT policies in three ways (length, breadth, depth). | | 13 | BTL2 | | Understand |
| 8.a | **Illustrate** Economy, people, processes, and technology dimensions in an ERBS. | | 08 | BTL3 | | Apply |
| 8.b | **Classify** the drivers and factors that lead to an ERBS. | | 05 |
| 9. | **Generalize** the concepts of steps developing an ERBS. | | 13 | BTL6 | | Create |
| 10. | **List** the Various Green policies that are implemented through practices, and proved through metrics. | | 13 | BTL1 | | Remember |
| 11. | **Explain** coverage of carbon metrics. | | 13 | BTL4 | | Analyze |
| 12.a | **Summarize** KPIs in Green Strategies. | | 07 | BLT2 | | Understand |
| 12.b | **Give** the steps to find actors and goals. | | 06 |
| 13. | **Describe and** Discuss the importance of consortiums in an 8+ year Green IT strategy. | | 13 | BTL1 | | Remember |
| 14. | **Explain** the four dimensions a long which an organization can transform to a green organization? | | 13 | BTL5 | | Evaluate |
| 15. | **Classify** about carbon emissions in IT? | | 13 | BTL3 | | Apply |
| 16. | **Explain** in detail about policies, practices, and metrics of ERBS? | | 13 | BTL2 | | Understand |
| 17. | **Explain** about Green IT Dimensions, Drivers, and Goals? | | 13 | BTL5 | | Evaluate |
| **PART -C** | | | | | | |
| 1. | **Explain** the impact of the Global Financial Crises (GFC) on existing or potential green initiatives? | | 15 | BTL5 | | Evaluate |
| 2.a | **Discuss** the following KPI Problems  My organization will reduce 10% over its last year’s energy bill.  This reduction is aimed over next 3 years, at the end of which, we will review all factors associated with this reduction. | | 07 | BTL6 | | Create |

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| 2.b | My organization will reduce production machines operation hours by 20% via intense focus on idling times of the machines over the next 3 years. At the end of the 3-year period, all factors impacting operation and production costs will be reviewed against their carbon costs. | 08 |  |  |
| 3. | **Design** and List and discuss any three elements in the mind map of a Chief Green Officer. | 15 | BTL6 | Create |
| 4. | **Assess** the Measurement of Carbon Footprint of an Organization. | 15 | BTL5 | Evaluate |
| 5. | **Explain** in detail about Environmentally Responsible Business? | 15 | BTL5 | Evaluate |

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| **UNIT II - GREEN ASSETS AND MODELING** | | | |
| Green Assets: Buildings, Data Centers, Networks, and Devices - Green Business Process Management: Modeling, Optimization, and Collaboration – Green Enterprise Architecture – Environmental Intelligence Green Supply Chains – Green Information  Systems: Design and Development Models. | | | |
| **PART – A** | | | |
| 1. | **Define** Green Assets. | BTL1 | Remember |
| 2. | **Illustrate** the type of assets. | BTL3 | Apply |
| 3. | **“**The role of green mobile”- **Justify.** | BTL5 | Evaluate |
| 4. | **Discover** the idea of Green Data Centers. | BTL3 | Apply |
| 5. | **Define** Carbon Emitting Bit. | BTL1 | Remember |
| 6. | **Analyze** the factors influencing Green data center. | BTL4 | Analyze |
| 7. | **Generalize** your view on Tools used for measuring carbon emissions. | BTL6 | Create |
| 8. | **Summarize** the list of Green Process Categories. | BTL5 | Evaluate |
| 9. | **Analyze** the concepts Green business process management (Green BPM). | BTL4 | Analyze |
| 10. | **Interpret** the factors of Green BPM. | BTL2 | Understand |
| 11. | **Distinguish** between coupling and cohesion. | BTL2 | Understand |
| 12. | **When** to use Patterns? | BTL1 | Remember |
| 13. | **Analyze** Green Enterprise Architecture. | BTL4 | Analyze |
| 14. | **Define** Enterprise Architecture (EA). | BTL1 | Remember |
| 15. | **Generalize** the concepts of responsibility. What are the various types of responsibilities? | BTL6 | Create |
| 16. | **Discuss** the benefits of VPN. | BTL2 | Understand |
| 17. | **Define** Green Information System (GIS). | BTL1 | Remember |
| 18. | What is Regulatory Standards Portal (RSP). | BTL1 | Remember |
| 19. | **Give** the major phases in GIS. | BTL2 | Understand |
| 20. | **Illustrate** SCM. | BTL3 | Apply |
| 21. | **Analyze** the key elements of Green Data Center. | BTL4 | Analyze |
| 22. | **Define** Green Re-engineering. | BTL2 | Understand |
| 23. | **Examine** Environmental Intelligence. | BTL3 | Apply |
| 24. | **Justify** the uses of Green Re-engineering. | BTL5 | Evaluate |

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| **PART -B** | | | | |
| 1.a | **Explain** in detail about the major activities relating to the infrastructure assets. | 08 | BTL1 | Remember |
| 1.b | **Explain** types of Assets (Categories) and their Impact on the Environment. | 05 |
| 2.a | **Explain** the Green data center influencing factors. | 05 | BTL4 | Analyze |
| 2.b | **Explain** in detail carbon-emitting bit. | 08 |
| 3. | **Demonstrate** Polices and Practice of Green P-O-D in the Context of Devices and Peripherals. | 13 | BTL3 | Apply |
| 4. | **Generalize** your idea on Green Business Process Management. | 13 | BTL6 | Create |
| 5. | **Explain** in detail how can Cloud computing help reduce carbon emissions? | 13 | BTL5 | Evaluate |
| 6.a | **Give Green** Process Categories and their Carbon Impact. | 08 | BTL2 | Understand |
| 6.b | Discuss the Individual, organizational, and collaborative green Processes. | 05 |
| 7. | **What** is Green BPM? Discuss the role Green BPM plays in the reduction of an organizational carbon footprint. | 13 | BTL1 | Remember |
| 8. | **Discuss** in detail about Various views of a comprehensive Green enterprise architecture: mapping design. | 13 | BTL2 | Understand |
| 9.a | **Illustrate** Evolving Green Systems Architecture with help of diagram. | 08 | BTL3 | Apply |
| 9.b | **Classify** Various aspects of a Green solutions. | 05 |
| 10. | **Examine** the Environmental Intelligence. | 13 | BTL1 | Remember |
| 11.a | **Examine** in detail about Deployment diagram for GIS. | 07 | BTL1 | Remember |
| 11.b | **Describe** the concepts Component diagram for GIS. | 06 |
| 12. | **Discuss** in detail about the role of SCM systems in the GEA. | 13 | BTL2 | Understand |
| 13.a | **Explain** the Elements of a Green ICT information portal. | 07 | BTL4 | Analyze |
| 13.b | **Analyze** Supplier Contract Conditions in the Context of Environmental Intelligence. | 06 |
| 14. | **Analyze** the Sequence diagram (dynamic model) for “emissions check”. | 13 | BTL4 | Analyze |
| 15. | **Discuss** about Green Supply Chain Management (SCM)? | 13 | BTL2 | Understand |
| 16. | **Illustrate** in detail about Green Information System (GIS)? | 13 | BTL3 | Apply |
| 17. | **Briefly explain** about Environmental Intelligence Domain (EI Domain)? | 13 | BTL5 | Evaluate |
| **PART C** | | | | |
| 1. | **Determine** how the efficient use of Green assets could lead to reduction in energy consumption? | 15 | BTL5 | Evaluate |
| 2. | **Generalize** the concept of reengineering of the processes of a digital library. | 15 | BTL6 | Create |
| 3. | **Develop** with an example the Green Enterprise Architecture. | 15 | BTL6 | Create |

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| 4. | **Draw and** explain Use case diagram for green organizational portal? | 15 | BTL5 | Evaluate |
| 5. | **Compose** about Green Enterprise Architecture (GEA) and Green Solution Architecture (GSA). | 15 | BTL5 | Evaluate |

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| **UNIT III - GREEN FRAMEWORK** | | | |
| Virtualizing of IT systems –Role of electric utilities, Telecommuting, teleconferencing and teleporting- Materials recycling–Best ways for Green PC–Green Data center–Green Grid Framework. | | | |
| **PART – A** | | | |
| 1. | **Define** Virtualization. | BTL1 | Remember |
| 2. | **List out** the types of virtualization. | BTL1 | Remember |
| 3. | **Express** benefits of telecommuting offered to individuals and businesses. | BTL2 | Understand |
| 4. | **Define** Telecommuting Class Diagram? | BTL1 | Remember |
| 5. | **Express** three tips to go Green with your PC. **Why do** we call a domain model as “Visual Dictionary". | BTL2 | Understand |
| 6. | Classify Some of the challenges in telecommuting. | BTL3 | Apply |
| 7. | **Define** Environmental Product Environment Assessment Tool (EPEAT). | BTL6 | Create |
| 8. | **List** out the three biggest energy hogs in computer system. | BTL1 | Remember |
| 9. | **Compare** virtualization techniques. | BTL5 | Evaluate |
| 10. | **Illustrate** Formula for Data Center Infrastructure Efficiency (DCIE) the usage of Description class. | BTL3 | Apply |
| 11. | **Give** the Advantages of using green PC. | BTL2 | Understand |
| 12. | **Comparison** between Server virtualization and Application virtualization. | BTL4 | Analyze |
| 13. | **Analyze** the Benefits of Green data center. | BTL4 | Analyze |
| 14. | **Generalize** the concept of energy usage in data center. | BTL6 | Create |
| 15. | **Differentiate** Telecommuting and Teleconferencing. | BTL2 | Understand |
| 16. | **Analyze** the concepts of Power Usage Efficiency (PUE). | BTL4 | Analyze |
| 17. | **Summarize** the Special virtualization features of IBM systems. | BTL5 | Evaluate |
| 18. | **Define** Green grid. | BTL1 | Remember |
| 19. | **Illustrate** the concepts Green grid frame work. | BTL3 | Apply |
| 20. | **When** to use material recycling? | BTL1 | Remember |
| 21. | **Give** the advantages of teleconferencing in promoting green. | BTL2 | Understand |
| 22. | **Illustrate** the basic concepts of Consolidation and Virtualization. | BTL3 | Apply |
| 23. | **Examine** the role of hypervisor. | BTL4 | Analyze |
| 24. | **Predict** the six steps in recycling. | BTL5 | Evaluate |

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| **PART-B** | | | | |
| 1.a | **Describe** storage Virtualization. | 06 | BTL1 | Remember |
| 1.b | **Describe** the concept of Client Virtualization | 07 |

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| 2. | **What** is Virtualization? **Explain** Server virtualization in Detail. | 13 | BTL5 | Evaluate |
| 3. | **Describe** how to Assess the greenness of your data center. | 13 | BTL1 | Remember |
| 4.a | Write down the Tips to start moving your data center towards  green environment. | 04 | BTL1 | Remember |
| 4.b | **Describe** how you will Optimize your data center cooling. | 09 |
| 5. | **Design** and explain the Green Home Office - Telecomm Central. | 13 | BTL6 | Create |
| 6.a | **Analyze** the concepts of Managing the Challenges of  Telecommuting. | 07 | BTL4 | Analyze |
| 6.b | **Explain** establishing expectations in telecommuting. | 06 |
| 7.a | **Explain** in detail about understanding how you use devices for green PC. | 06 | BTL4 | Analyze |
| 7.b | **Explain** in detail about Developing computer habits that save  energy for green PC. | 07 |
| 8.a | **Illustrate** about “Using your monitor with efficiency in mind” in Green PC. | 07 | BTL3 | Apply |
| 8.b | **Illustrate** about “Spotting an energy hog” to make Green PC. | 06 |
| 9.a | **Discuss** about how energy is used in a data center. | 07 | BTL2 | Understand |
| 9.b | **Discuss** the Environmental laws and the company image in data center. | 06 |
| 10. | **Discuss** about data center and its uses. | 13 | BTL2 | Understand |
| 11. | **Illustrate about** Green grid frame work. | 13 | BTL3 | Apply |
| 12.a | **Describe** in detail about the telecommuting. | 08 | BTL1 | Remember |
| 12.b | **Describe** briefly about teleconferencing. | 05 |
| 13. | **Differentiate** the types of virtualization techniques. | 13 | BTL2 | Understand |
| 14.a | **Analyze** the roles of electric utilities. | 07 | BTL4 | Analyze |
| 14.b | **Analyze** about green PC. | 06 |
| 15. | **Explain** in Detail about material recycling? | 13 | BTL3 | Apply |
| 16. | **Discuss** the best ways to make your PC greener. | 13 | BTL2 | Understand |
| 17. | **Compose about** virtualizing of IT Systems. | 13 | BTL5 | Evaluate |
| **PART-C** | | | | |
| 1. | **How** IBM Global Technology Services can help with the following categories in your move toward having a green data center:  1.Diagnose 2.Build 3.Cool  4.Virtualize and simplify 5.Manage, measure, and enhance | 15 | BTL6 | Create |
| 2.a | **Explain** your understanding on individual, organizational and collaborative processes. | 8 | BTL5 | Evaluate |
| 2.b | **Discuss** why individual green processes are short-term strategies, whereas collaborative green processes are long-term strategies | 7 |
| 3.a | **Design** the steps to Speed up your Internet access to get green | 8 |  |  |

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| 3.b | **Explain** reuse, reduce, recycle in-making the case for a new purchase. | 7 | BTL6 | Create |
| 4. | **Design and discuss** about the best ways for Green PC. | 15 | BTL5 | Evaluate |
| 5. | **Briefly explain** the contribution of telecommuting, teleconferencing, and teleporting in conversion of Green IT. | 15 | BTL5 | Evaluate |



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| **UNIT IV - GREEN COMPLIANCE** | | | |
| Socio-cultural aspects of Green IT –Green Enterprise Transformation Roadmap –Green Compliance: Protocols, Standards, and Audits –Emergent Carbon Issues: Technologies and Future | | | |
| **PART – A** | | | |
| 1. | **Define** Green IT’s social impact. | BTL1 | Remember |
| 2. | **Define** evolving Green HR. | BTL1 | Remember |
| 3. | **Illustrate** the role-based view of Green IT. | BTL3 | Apply |
| 4. | **Compare** Green IT’s Social Impact and Green Social  Stakeholders. | BTL5 | Evaluate |
| 5. | **List** out the three main categories of green-collar workers. | BTL1 | Remember |
| 6. | **Show** the Green point method. | BTL3 | Apply |
| 7. | **Differentiate** the strengths and weaknesses of GET processes. | BTL2 | Understand |
| 8. | **Interpret** the issues related to a pilot project. | BTL2 | Understand |
| 9. | **Define** the green requirements of the business. | BTL1 | Remember |
| 10. | **Explain** the Corporate Governance and the planning activities in  relation to enterprise transformation enabled by IT. | BTL5 | Evaluate |
| 11. | **Differentiate** diagnosis phase of End-user efficiencies and  diagnosis activities are carried out. | BTL2 | Understand |
| 12. | **Analyze** the domain of climate change and environmental sustainability in business is inundated with rapidly evolving protocols, legislations, and standards. | BTL4 | Analyze |
| 13. | **Define** Green Compliance**.** | BTL1 | Remember |
| 14. | **Analyze** the components of the ISO 14001 standard and their  relevance to green IT. | BTL4 | Analyze |
| 15. | **Design** the notation of verified and validated in a green audit. | BTL6 | Create |
| 16. | **Describe** the specific advantages in undertaking Green IT audits within organizations. | BTL2 | Understand |
| 17. | **Classify** the ways in which they can be applied to green audits. | BTL3 | Apply |
| 18. | **Analyze** the potential for reducing the overall carbon emissions | BTL4 | Analyze |
| 19. | **Generalize** the concepts of Environmental intelligence. | BTL6 | Create |
| 20. | **List** the Future of Green IT in the Four Dimensions. | BTL1 | Remember |
| 21. | **Discuss** the four dimensions of GET. | BTL2 | Understand |
| 22. | **Investigate** the five areas of Green Metrics | BTL4 | Analyze |
| 23. | **Predict** the advantages of Green IT. | BTL5 | Evaluate |
| 24. | **Illustrate** Green washing | BTL3 | Apply |

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| **PART-B** | | | | |
| 1.a | **Compare** views of various cross-sections of society on environmental initiatives and role-based view of green it. | 08 | BTL5 | Evaluate |
| 1.b | **Explain** the concepts of relative speed of change in green enterprise transformation. | 05 |
| 2.a | **What** is green IT influencing working lifestyle? | 03 | BTL6 | Create |
| 2.b | **Create** green user practices that have social impact. | 10 |
| 3. | **Illustrate** the subjectivity in green it arises from differencing priorities of the same individual. | 13 | BTL3 | Apply |
| 4.a | **Illustrate** about personalization of the green context by end-users leads to change in attitude. | 07 | BTL3 | Apply |
| 4.b | **Draw** the diagrams for channels of communications in green IT projects. | 06 |
| 5. | **Describe** the diagram and short notes on Green Enterprise Transformation. | 13 | BTL1 | Remember |
| 6.a | **With** short notes on A Green ICT Framework. | 03 | BTL1 | Remember |
| 6.b | **Describe** the process of applying the four dimensions to GET. | 10 |
| 7. | **Explain** about with detail on enterprise and data center an | 13 | BTL4 | Analyze |
| 8. | **Describe** the detail with example of Green Transformation Process. | 13 | BTL2 | Understand |
| 9.a | With an example, **describe** notations used in Green IT Project Roles. | 05 | BTL1 | Remember |
| 9.b | **Write** short notes on Responsibility of GTC, Business Architect and Variations. | 08 |
| 10.a | **What** are the deliverables in a green IT project? | 03 | BTL2 | Understand |
| 10.b | **Differentiate** the relationship between diagnosing equipment lifecycle’s carbon efficiencies and diagnosing end-user computing’s carbon efficiencies an example. | 10 |
| 11. | **Describe** the Planning end-user Green IT transformation. | 13 | BTL1 | Remember |
| 12. | **Discuss** about Enterprise IT Data Center Efficiencies with suitable example. | 13 | BTL2 | Understand |
| 13.a | **What** is the Purpose of the ISO 14000:2004 family of standards? | 04 | BTL4 | Analyze |
| 13.b | How to draw Green ICT—Business and Economic Trends?  **Explain.** | 09 |
| 14. | Developed Economies and Developing Economies (BRIC)  **Comparison** along Four Dimensions. | 13 | BTL4 | Analyze |
| 15. | **Explain** about Green IT ethics and code of conduct. | 13 | BTL2 | Understand |
| 16. | **Write** about emergent carbon issues? | 13 | BTL5 | Evaluate |
| 17. | **Illustrate** in detail about Socio-cultural aspects of Green IT? | 13 | BTL3 | Apply |
| **PART-C** | | | | |

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| 1.a | **Consider** the Green HR and Changing Organizational Structures Explain and detail notes.   1. Organizing the green HR function. 2. Potential mapping of green skills to SFIA levels. 3. SFIA Skill Set and Green Roles. | 10 | BTL5 | Evaluate |
| 1.b | **Explain** and give the Green Virtual Communities. | 05 |
| 2. | **Assess** audits reveal green sophistication of an organization before and after transformation and an integrated model for auditing Green IT systems. | 15 | BTL6 | Create |
| 3. | **Design** the areas of Cloud computing that have the potential for reducing the overall carbon emissions across the industry. Then it obtains the details of the Emerging technologies landscape and Green IT impact and SaaS and cloud computing in Green ICT strategies with neat sketch. | 15 | BTL6 | Create |
| 4. | **Discuss** about Collaborative Environmental Intelligence and specific topics of interest and future investigations in relations with collaborative EI. | 15 | BTL5 | Evaluate |
| 5. | **Explain** with examples of how to evaluate the various dimensions of GET. | 15 | BTL5 | Evaluate |

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| **UNIT V CASE STUDIES** | | | |
| The Environmentally Responsible Business Strategies (ERBS) –Case Study Scenarios for Trial Runs  – calculating the carbon footprint – greening mobile devices - CASE STUDIES –Applying Green IT Strategies and Applications to a Home, Hospital, Packaging Industry and Telecom Sector | | | |
| 1. | **List** out the understanding current business scenario in your organization. | BTL1 | Remember |
| 2. | **Describe** the term defined by your organization to adopt Green policies. | BTL2 | Understand |
| 3. | **Give** the ICT practices have been adopted by your organization. | BTL2 | Understand |
| 4. | **Illustrate** the practices regarding energy saving data centers and equipments. | BTL3 | Apply |
| 5. | **Define** the term Compliance audits. | BTL1 | Remember |
| 6. | **Summarize** the basic activities are performed in strategic measures for reducing emissions. | BTL5 | Evaluate |
| 7. | **Define** business strategy. | BTL1 | Remember |
| 8. | **List** of the noteworthy findings from the preliminary Green IT audit of Good Mead hospital. | BTL5 | Evaluate |
| 9. | **Give** the result of the initial green IT audit undertaken by the bank. | BTL2 | Understand |
| 10. | **What** are the strengths identified in SWOT analysis. | BTL1 | Remember |
| 11. | **Illustrate** the elements of green Transformation. | BTL3 | Apply |
| 12. | **List** out the strength that are identified in AuPack. | BTL1 | Remember |
| 13. | **Analyze** about SWOT. | BTL4 | Analyze |
| 14. | **Analyze** the important objectives of GoodMead in undertaking the GET. | BTL4 | Analyze |
| 15. | **What** are the steps in developing a hospital’s ERBS? Illustrate it. | BTL3 | Apply |

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| 16. | **Generalize** the concepts AuPack. | BTL6 | Create |
| 17. | **Give** the strategic approach by the CGO. | BTL2 | Understand |
| 18. | C**omparison** strength and weakness of SWOT for ZeeTel telecom. | BTL4 | Analyze |
| 19. | **What** is TCCO? | BTL6 | Create |
| 20. | **List out** the Data Center Changes in GET. | BTL1 | Remember |
| 21. | **Give** the weakness of Green IT. | BTL2 | Understand |
| 22. | **Analyze** the Scenario of Zeetel Telecom Service | BTL4 | Analyze |
| 23. | **List** the strategic measures for reducing emissions. | BTL5 | Evaluate |
| 24. | **Construct** the steps to develop hospital ERBs. | BTL3 | Apply |



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| **PART-B** | | | | |
| 1. | **Explain** the Strategic Measures for Reducing Emissions and Demographic Information for research project Survey. | 13 | BTL5 | Evaluate |
| 2. | **Describe** the respondent demographics. | 13 | BTL2 | Understand |
| 3. | **Explain** the Business and Strategy Planning with Respect to the Environment and Technical Strategy and Planning. | 13 | BTL4 | Analyze |
| 4. | **Describe** the different types of the Result of the Initial Green IT Audit Undertaken by the Bank. | 13 | BTL2 | Understand |
| 5.a | **List** the guidelines for Case Study Scenarios for Trial Runs. | 07 | BTL1 | Remember |
| 5.b | Explain in detail on Environmentally Responsible Business Strategies (ERBS) Research Project Survey. | 06 |
| 6. | **Illustrate** the concepts of Bluewaters Travel Agency Carbon Scenario and OpenAir Airline Carbon Scenario. | 13 | BTL3 | Apply |
| 7.a | **Sketch** the guidelines for Preliminary Green Investigation. | 07 | BTL3 | Apply |
| 7.b | **Describe**s the Green business objectives of a hospital | 06 |
| 8.a | **Design** the Strategic Concerns of Management? | 07 | BTL1 | Remember |
| 8.b | **Lis**t out the steps are Steps in Developing a Hospital’s ERBS? | 06 |
| 9.a | **Describe** - Green Transformational Elements. | 05 | BTL1 | Remember |
| 9.b | **Describe -** The Green Transformation Project | 08 |
| 10. | **Generalize** how Green IT can be applied to a product-type company in the manufacturing sector. | 13 | BTL6 | Create |
| 11. | **Why** AuPack strategic approach and Diagnosis in AuPack? | 13 | BTL1 | Remember |
| 12. | **Summarize** the Applying Mobile Technologies in GET | 13 | BTL2 | Understand |
| 13.a | **Point** out the features of Technical Dimension in AuPack**.** | 05 | BTL4 | Analyze |
| 13.b | **Explain** about the Enacting GET for ZeeTel. | 08 |
| 14. | **Analyze** about the Green IT challenges of an infrastructure-type company in the telecommunications domain. | 13 | BTL4 | Analyze |
| 15. | **Write** in detail about ERBS with a case study scenario? | 13 | BTL2 | Understand |

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| --- | --- | --- | --- | --- |
| 16. | **Explain** AuPack Scenario, strategic approach and SWOT in Green IT? | 13 | BTL3 | Apply |
| 17. | **Briefly explain** about the application to a home in Green IT Strategies? | 13 | BTL5 | Evaluate |
| **PART C** | | | | |
| 1. | **Explain** with Suggest a crucial/critical action that could be taken by your organization to use renewable (Green) energy? What are the problems faced by an organization in collecting and validating environmental data (please include comments on methods, technologies, regulators, agencies, and business partners)? | 15 | BTL5 | Evaluate |
| 2. | **Predict** the crucial reasons why a business like yours should adopt environmentally responsible business strategies. How do you believe emerging technologies (such as mobile, Web x.0, Cloud computing) should be incorporated in business to help to reduce the carbon footprint? | 15 | BTL 6 | Create |
| 3. | **Develop** the SWOT of GoodMead Hospital, Strategic Concerns of Management and Lessons Learned in Implementing Green IT  Strategies. | 15 | BTL 6 | Create |
| 4. | **Develop** Case Study in Applying Green IT Strategies and Applications to the Telecom Sector | 15 | BTL 6 | Create |
| 5. | **Discuss** in detail about the steps in developing a hospital ERBS? | 15 | BTL5 | Evaluate |