

PERFORM COMPUTER MAINTENANCE & REPAIR CATS

CAT 1: Hardware and Troubleshooting Fundamentals (Week 4)

1. **Identify the major hardware and software components of a computer.** (4 Marks)
2. **List the tools needed for computer maintenance and assembly.** (4 Marks)
3. **Outline the steps to identify a problem in a computer system.** (5 Marks)
4. **Identify the tools required for disassembling computer components.** (4 Marks)
5. **Discuss the process of identifying computer parts, assembling maintenance tools, testing theories of probable cause, and providing appropriate solutions.** (10 Marks)

Total: 27 Marks

CAT 2: Assembly and Testing Techniques (Week 8)

1. **How do you test the theory of probable cause during troubleshooting?** (5 Marks)
2. **State how to determine whether a component should be repaired or replaced.** (4 Marks)
3. **Outline the key steps involved in reassembling computer components.** (4 Marks)
4. **State how you test a reassembled computer component to ensure it is functioning correctly.** (4 Marks)
5. **Discuss the procedures and techniques involved in disassembling and reassembling computer components.** (10 Marks)
6. **Analyze the steps involved in testing computer functionality.** (7 Marks)

Total: 34 Marks

CAT 3: Advanced Repair, Upgrades, and Reporting (Week 10)

1. **Outline what should be included in a repair/replace report.** (3 Marks)
2. **List the techniques used for performing computer functionality tests.** (3 Marks)
3. **Examine the reasons for upgrading computer software and hardware.** (7 Marks)
4. **Discuss the procedures and techniques for upgrading, the methods used to test the functionality of upgraded components, and the potential benefits and challenges associated with upgrades.** (13 Marks)
5. **Explain the importance of generating a status report and how it can improve computer performance and reliability.** (6 Marks)

Total: 32 Marks