

Unit 15: System testing and maintenance (2010)

Student Name:

Teacher:

Date:

Assessment Objective	Pass	Merit	Distinction
AO1 <i>Identify and explain the need for preventative and routine maintenance</i>	Candidates will provide a basic explanation for preventative and routine maintenance. They will show some awareness of potential dangers when carrying out maintenance tasks.	Candidates will provide a sound explanation for preventative and routine maintenance. They will show an awareness of potential dangers when carrying out maintenance tasks and outline details of preventative as well as routine maintenance.	Candidates will provide a detailed explanation for preventative and routine maintenance. They will show an awareness of a range of potential dangers when carrying out maintenance tasks and provide details of preventative as well as routine maintenance.
AO1 NOTES	AO1: P M D		
AO2 <i>Explain the need for routine tests and testing, and understand common types of problem</i>	Candidates will provide a brief explanation for the need to carry out routine tests. They will identify at least one common problem.	Candidates will provide a detailed explanation for the need to carry out routine tests. They will identify a few common problems.	Candidates will provide a thorough explanation for the need to carry out routine tests. They will identify a range of common problems.
AO2 NOTES	AO2: P M D		
AO3 <i>Identify the actions and resources required to address typical problems</i>	Candidates will produce a basic plan for resolving typical problems. The plan will include sources of help: expert knowledge, testing equipment, technical support from website and tests to carry out.	Candidates will produce a detailed plan for resolving typical problems and the resources required. The plan will include sources of help: expert knowledge, testing equipment/kit, technical support from website and steps taken to resolve the problems: identification of potential sources of the problem, tests to apply and at least one solution.	Candidates will produce a detailed and mostly workable plan for resolving typical problems and the resources required. The plan will include sources of help: expert knowledge, testing equipment/kit, technical support from website and steps taken to resolve the problems: identification of potential sources of the problem, tests to apply and at least one workable solution.
AO3 NOTES	AO3: P M D		
AO4 <i>Identify the range of different types of system tests and use three typical tests</i>	Candidates will document at least three typical system tests they have carried out. Their document will give a basic description of the tests carried out, the purpose of each test and the results.	Candidates will document at least three typical system tests they have carried out. The document will describe in detail suitable tests carried out, the purpose of each test and the results.	Candidates will document at least three typical system tests they have carried out. The document will describe in detail suitable tests carried out, the purpose of each test and the results. There will be some evidence of checking of registry entries and an explanation of the implications of working on the registry.
AO4 NOTES	AO4: P M D		
AO5 <i>Analyse test results for the three tests carried out and report findings</i>	Candidates will need to carry out a basic analysis of the test results from the three tests they have carried out.	Candidates will need to carry out a sound analysis of the test results from the three tests they have carried out and include evidence of hardware testing.	Candidates will need to carry out a detailed analysis of the test results from the three tests they have carried out and include evidence of a range of hardware testing.
AO5 NOTES	AO5: P M D		

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<p>AO6</p> <p><i>Investigate system discrepancies found as a result of testing and identify action to be taken</i></p>	<p>Candidates will provide a log showing results from the tests they have carried out on a system over a period of time.</p> <p>At least one action point will be identified.</p>	<p>Candidates will provide a log showing results from the tests they have carried out on a system over a period of time.</p> <p>Action points will be identified and a plan of action for solving these problems will be produced.</p>	<p>Candidates will provide a log showing results from the tests they have carried out on a system over a period of time.</p> <p>A range of action points will be identified and a comprehensive plan of action for solving these problems will be produced.</p>
<p>AO6 NOTES</p>	<p style="text-align: right;">AO6: P M D</p>		
<p>AO7</p> <p><i>Understand common types of system problem</i></p>	<p>Candidates will identify some common types of system problems and provide brief explanations for each; not all explanations will be accurate.</p>	<p>Candidates will identify a range of common types of system problems and provide mostly accurate explanations for each.</p>	<p>Candidates will identify a comprehensive range of common types of system problems and their explanations will be detailed and mostly accurate.</p>
<p>AO7 NOTES</p>	<p style="text-align: right;">AO7: P M D</p>		

Overall grade awarded for this unit: **PASS** **MERIT** **DISTINCTION** (Circle ONE grade) **Signature:** _____