



Centre-assessed work Marking Grid 2012

GCE Applied ICT (8751/3/6/9) Unit 13: Systems Analysis (IT13)

Centre name:

Centre no:

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Candidate name:

Candidate no:

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This form should be completed and attached to the candidate's work and retained at the Centre, or sent to the moderator as required.

Assessment Objective 1 (AO1): Practical capability in applying ICT (up to 17 marks)

Row	1 mark	2 marks	3 marks	Marks
1	Candidate has attempted to produce some low-level DFDs.	Candidate has produced some accurate low-level DFDs.	Candidate has produced an appropriate set of well labelled low-level DFDs that fully describe the main system events and show clear understanding of the use of the technique.	
2	Candidate has produced specifications for at least two processes.	Process specifications produced are clear and accurate.	Process specifications are detailed and clearly show the candidates understanding of the processes involved in the system.	
3	Candidate has produced an entity-relationship diagram and a data dictionary that partially list and describe the entities, their attributes and the relationships between entities.	Candidate has produced an entity-relationship diagram that is correct and contains at least three entities. The data dictionary accurately describes the entities, their attributes and the relationships between entities.	In addition, candidate has demonstrated a good understanding of the process of developing an entity-relationship diagram that is correct to at least first normal form. .	
4	Candidate has produced some input specifications.	Candidate has produced input specifications that are detailed, include sources of data and data capture methods.	In addition, candidate has produced accurate and appropriate designs for data entry forms with explanations of verification and validation techniques to be used.	

Row	1 mark	2 marks	3 marks	Marks
5	Candidate has produced some output specifications.	Candidate has produced output specifications that are detailed and has produced accurate and appropriate designs for the output of information on screen or in printed report format.		
6	Candidate has shown some awareness of standard ways of working.	Candidate has demonstrated standard ways of working have often been adopted, for example through the use of symbols and naming conventions.	Candidate has shown clear adherence to standard ways of working at all times. The candidates work follows best practice in the use of analysis techniques.	

Assessment Objective 2 (A02): Knowledge and understanding of ICT systems and their roles in organisations and society (up to 7 marks)

Row	1 mark	2 marks	3 marks	Marks
1	Candidate has produced a completed questionnaire or interview transcript identifying some client needs.	Candidate has used a range of appropriate investigation techniques to obtain client needs.		
2	Candidate has shown a basic understanding of the investigation technique(s) used.	Candidate has shown an understanding of the investigation techniques they have used and has used them appropriately.	Candidate has used appropriate investigation techniques and provided a clear explanation of how they are appropriate to the task.	
3	Candidate has provided a simple description of the system for which the solution is to be developed.	Candidate has provided a detailed description of the system for which the solution is to be developed.		

Assessment Objective 3 (AO3): Apply knowledge, skills and understanding to produce solutions to ICT problems (up to 18 marks)

Row	1 mark	2 marks	3 marks	Marks
1	The feasibility report contains a statement of purpose.	The feasibility report contains a statement of purpose and some client needs for the proposed system.	The feasibility report contains a clear statement of purpose and a clear description of client needs for the proposed system.	
2	A high level DFD or scope definition has been included that gives some information on the proposed system and its environment.	A high level DFD and scope definition have been included that clearly show the scope of the proposed system and its environment.	The DFD and scope definition are accurate and detailed and evidence is provided of them having been checked with the client.	
3	The feasibility report includes discussions of at least one of hardware, software, personnel.	The feasibility report includes discussions of at least two of hardware, software, personnel.	The feasibility report includes discussions of hardware, software, and personnel requirements that clearly show the candidate's understanding of the issues involved.	
4	Constraints on development have been considered briefly.	Constraints on development have been considered in detail. and external constraints have been considered		
5	A cost benefit analysis has been included	A detailed cost benefit analysis has been included		
6	Development conclusions have been clearly stated.	Development conclusions have been clearly stated and prioritised.		
7	Candidate has produced a conclusion that suggests a solution.	Candidate has produced a conclusion that identifies alternative solutions that would meet the client's requirements and a recommendation for development has been made.	In addition, evidence is provided that shows the candidate has discussed the alternative solutions with the client and amends the recommendation as necessary as a result of feedback from the client. Candidate explains and justifies the recommendation that has been made.	

Assessment Objective 4 (AO4): Evaluate ICT solutions and own performance (up to 28 marks)

Row	1 mark	2 marks	3 marks	4 marks	Marks
1	Candidate has provided a brief description of actions taken to complete the investigation, and analysis.	Candidate has described actions taken to complete the investigation, and analysis, and shows a clear understanding of what they have done and why	Candidate has clearly described actions taken to complete the investigation and analysis and shows a clear understanding of what they have done and why and has described the strengths and weaknesses of the approach taken.	In addition, they have critically reviewed their actions and made appropriate changes as a result of this evaluation, and provided an explanation of the changes made.	
2	Candidate has provided some evidence of time management or planning.	Candidate has provided a list of tasks as evidence of time management or planning, with an estimate of times required.	Candidate has provided a detailed list of tasks as evidence of time management or planning, with an estimate of times required.	Candidate has also fully monitored their progress, in carrying out the tasks, against the estimated times.	
3	Candidate has met some of the deadlines set for the project.	Candidate has monitored their progress and met most of the deadlines set for the project.	Candidate has met most deadlines set for the project and made comments that show their understanding of the need to monitor their progress throughout the life of the project.	Candidate fully monitored their progress in meeting deadlines throughout the life of the project. If any deadlines have been missed, reasons have been documented and explained.	
4	Candidate has included some requirements for the system.	Candidate has provided requirements for the system.	In addition, they have provided some evidence of how they are going to assess the effectiveness of their proposed system in meeting the client's requirements.	Candidate has provided requirements for the system. They have clearly shown how they are going to assess the effectiveness of their proposed system in meeting the client's requirements.	
5	Candidate has included some ideas for how they plan to test the effectiveness of their analysis.	Candidate has included a strategy for how they plan to test the effectiveness of their analysis.	Candidate has included a strategy for how they plan to test the effectiveness of their analysis and has explained it.	In addition, candidate has included a detailed plan for testing the effectiveness of their analysis.	

Row	1 mark	2 marks	3 marks	4 marks	5 marks	Marks
6	Candidate provided some evidence of testing the accuracy of their analysis.	Candidate provided clear evidence of testing the accuracy of their analysis.	In addition, they have tried to explain how the testing has been effective.	Candidate has clearly explained how the testing has been effective.		
7	Candidate has used written expression in a non-specialist way.	Candidate has used written expression with some specialist vocabulary to organise information.	Candidate has used written expression with suitable specialist vocabulary to organise and interpret information.	Candidate has used written expression with appropriate specialist vocabulary to organise and interpret information within complex subject matter.		

Assessment objective	Maximum mark	Mark awarded
A01	17	
A02	7	
A03	18	
A04	28	
Total	70	