3666574515

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OCR GCE H515/H715 Unit G056

Unit Recording Sheet

Applied IC1

Please read the ir	structions b	efore completing th	nis form	Exa	mir	natio	n Se	ssion		Year		
Unit Code	G056	Unit Title	Program Design	n, Pro	odu	ction	n and	Testin	g			
Centre Num	iber		Centre Name									
Candidate N	lumber		Candidate Nam	е								
needs to include: a they have consider annotated modular operators listed in results and change	a program spe red the user's program to re the programmes identified as	cification to meet the needs; a program de ealise the design, wh ning section; test doo s a result of testing; a	ogram with complete docur e given requirement and de esign arising from their spe nich must include at least c sumentation including a tes a program review and eval	escribe ecificatione data one data t plan v uation	how t on and a struc vith va	heir spe d an an cture, al alid, inva	ecificatio alysis o Il data ty alid and ng an ev	on meets th f the desig /pes, all co boundary valuation o	ne program re n methods the ntrol structure data, expecte f your their pe	quirement by have uses and all d results, erformance	ts and h sed; an appropri actual e.	ow
If work is a re-sit, please tick		ssion and Year of vious submission	January/June	2	0				to indicate th dardised inter		as	
A.(i)1 Criteria	•	,			Со	mmer	nt				Pag	е
	n identifies so	me inputs, outputs a	eir skills by developing a nd processing requirement	ts for								
A.(i)2 Criteria	(3 - 4 marl	ks)										
The candidate s	hows that the identifies mo	ey have extended the ost inputs, outputs an	eir skills by developing a ad processing requirements	s for								
A.(i)3 Criteria											Mar	
their skills by deve	loping a clear	and full specification	tiative to extend and enha n which identifies all inputs rogram requirement.	nce s,							(Max	6)
A(ii).1 Criteria					Со	mmer	nt				Pag	е
			o briefly describe how thei ward problem, considering									
A(ii).2 Criteria												
	s the requiren		o describe how their roblem and how they have	9								
A(ii).3 Criteria											Mar	
	meets the req	uirements of a comp	to fully and clearly describe blex problem and fully cons								(Max	6)
B(i).1 Criteria	•				Со	mmer	nt				Pag	е
appropriate techni design processes;	ques, such as	s pseudocode, flowch	n techniques by using some narts, event-action charts, "	to								
data structures an			its, validation and verificati	UII,								
B(i).2 Criteria												
range of appropriacharts, to design pthe candidate's	ite techniques processes; designs are a	such as pseudocod	nt design techniques by us e, flowcharts, event-action le whole program (input, of organisation);									
B(i).3 Criteria										F	Mar	'k
design techniquesappropriate technithe candidate's	by using a st ques, such as designs are a	ructured design meth s pseudocode, flowch ccurate, clear and co	nowledge of formal and inf nod and a wide range of narts, event-action charts; pomplete and cover the who all file structures and file								(Max	8)

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B(ii).1 Criteria (0 - 1 - 2 marks)	Comment	Page
 The candidate applies their knowledge and skills to comment on the appropriateness of the design methods they used and identifies areas for improvement; 		
B(ii).2 Criteria (3 - 4 marks)		
 The candidate applies their knowledge and skills to analyse the appropriateness of the design methods they used by describing strengths and weaknesses and suggesting improvements; 		
B(ii).3 Criteria (5 - 6 marks)		
 The candidate applies their knowledge and skills to analyse the appropriateness and effectiveness of the design methods they used by describing strengths and weaknesses and showing how they have modified their design methods to address the identified weaknesses. 		Mark (Max 6)
C.1 Criteria (0 - 1 - 2 - 3 marks)	Comment	Page
 The candidate shows that they have developed their skills by producing a program from their specification and design; the candidate's program meets most of the original requirements; 		
C.2 Criteria (4 - 5 - 6 marks)		
 The candidate shows that they have extended their skills by producing a fully working program from their specification and design; The candidate's program is modular, meets most of the original requirements and is easy to use; 		
C.3 Criteria (7 - 8 - 9 marks)		
 The candidate shows that they have used their initiative to extend and enhance their skills by producing a fully working program with clear and fluent annotation; the candidate's program is modular, meets all original requirements, is easy to use and makes full use of all appropriate data structures, data types, control structures and operators. 		Mark (Max 9)
D.1 Criteria (0 - 1 - 2 marks)	Comment	Page
The candidate produces a test plan and documents test results that cover all data validation;		
D.2 Criteria (3 - 4 marks)		
 The candidate produces a test plan with valid, invalid and boundary data and documents test results to cover all eventualities; 		
D.3 Criteria (5 - 6 marks)		Mark
 The candidate produces a test plan that covers all paths and user operations as well as all valid, invalid and boundary data, documenting test results to cover all eventualities and using the results to refine the solution. 		(Max 6)

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E.1 Criteria (0 - 1 - 2 - 3 marks)	Comment	Page
 The candidate comments on the effectiveness of their solution and identifies at least one improvement that they could make; the candidate comments on their actions and role in solving the problem and identifies areas for improvement; the candidate's report may contain errors in spelling, punctuation and grammar; 		
E.2 Criteria (4 - 5 - 6 marks)		
 The candidate comments on the effectiveness of their solution by identifying strengths and weaknesses and by considering the problems found during testing; the candidate comments on how they could have reduced testing errors by changes to their design; the candidate includes an analysis of their own performance by identifying strengths and weaknesses, with some suggestions for improvement to the overall process; the candidate's report contains few spelling, punctuation and grammar errors; 		
E.3 Criteria (7 - 8 - 9 marks)		
 The candidate provides a critical analysis of their solution, taking account of user feedback, to identify the strengths and weaknesses; the candidate explains refinements that could be made to the solution as a result of their analysis; 		
 the candidate includes an analysis on their own performance by identifying strengths and weaknesses and uses this analysis to show how they will address these issues to be more effective in the future; the candidate's report is consistently well-structured and there will be few, if any, spelling, punctuation and grammar errors. 		Mark (Max 9)
Please note: This form may be updated on an annual basis. The current version of the OCR website (<u>www.ocr.org.uk</u>).	this form will be available on MARK TOTAL	1

Guidance on Completion of this Form

- 1 **One** form should be used for each candidate.
- 2 Please ensure that the appropriate boxes at the top of the form are completed.
- 3 Please enter *specific* page numbers where evidence can be found in the portfolio, and where possible, indicate to which part of the text in the mark band the evidence relates.
- 4 Enter the mark awarded for each strand of the marking criteria in the appropriate box and also enter the final mark in the total column.
- 5 Add the marks for the strands together to give a total out of 50. Enter this total in the relevant box.

Extra Comment (please indicate to which Criteria comments refer)