Revision Sheet

A-Level Computer Science · Unit 20 Further Programming

10 vocabulary items · 25 marks of exam questions (4 questions)

Part 1 · Vocabulary review answer key. Section A wants the exact English spelling.

Question	Answer	Marks
1	programming paradigm	1
2	low-level	1
3	imperative programming	1
4	object-oriented programming	1
5	objects	1
6	declarative programming	1
7	functional programming	1
8	logic programming	1
9	exception	1
10	exception handling	1

Multiple Choice Answers

Q11: A

12	**One** mark for each correctly completed line (**Max 5**)
	
	`DECLARE Account : STRING`
	`OPENFILE "ActiveFile.txt" FOR READ`
	`OPENFILE "ArchiveFile.txt" FOR WRITE`
	`WHILE NOT EOF("ActiveFile.txt")`
	`  READFILE "ActiveFile.txt", Account`
	`  IF Account = "" THEN`
	`  WRITEFILE "ArchiveFile.txt", "Account not present"`
	`  ELSE`
	`  WRITEFILE "ArchiveFile.txt", Account`
	`  ENDIF`
	`ENDWHILE`
	`CLOSEFILE "ActiveFile.txt"`
	`CLOSEFILE "ArchiveFile.txt"`

13(a)	`studies(sam, history).` `tutors(nina, sam).`
13(b)	`freya, hua` // `hua, freya`

13(c)	**one** mark for correct use of `X`
	one mark for two other variables in correct positions
	one mark for three correct clauses in any order
	one mark for correct syntax
	`teaches(R, S),`
	`studies(X, S),`
	`tutors(R, X).`

14(a)	`BuildingRegister.BuildingID ← 1067` `BuildingRegister.BuildingGroup ← "house"`
14(b)(i)	**One** mark: `TYPE BuildingType =` **One** mark: `(house, bungalow, apartment, farm)` `TYPE BuildingType = (house, bungalow, apartment, farm)`
14(b)(ii)	`DECLARE BuildingGroup : BuildingType`
14(b)(iii)	`BuildingRegister.BuildingGroup ← house`
14(c)(i)	`PRIVATE OwnerName : STRING`
14(c)(ii)	To ensure that attributes can only be accessed by the class's own methods To enforce encapsulation // ensure they are hidden