Term: I
Session: 2024 – 2025

TNG
The Next Generation
School

Name: _____
Date: _____

1.	(a) Operating system	[1]
	(b)Any one from:	[1]
	• Create a file	
	• Copy a file	
	• Open a file	
	• Close a file	
	• Move a file	
	• Delete a file	
	• Rename a file	
	• Save a file	
	• Sort files	
2.	2(a) − High-level	[1]
	2(b) (i) One mark for the correct translator, two marks for the benefit(s).	[3]
	− Interpreter	
	− Easier to debug	
	− …as errors are immediately reported when detected	
	− Compiler	
	− All errors are reported in a single report	
	− meaning they can all be fixed at the same time	
	− No need to recompile code every time a test is run	
	2(b)(ii) One mark for the correct translator, two marks for the benefits.	[3]
	− Compiler	
	− Creates an executable file	
	− …so, translator is no longer needed to run it	
	− Source code cannot be stolen // can be provided without the source code	
3.	(a) Low-level language	[1]
	(b) Assembler	[1]
	(c) Any two from:	[2]
	• He can directly access the hardware	
	• He can use special machine-dependent instructions	
	• There is no need for the program to be portable	
	• Smaller file size // takes up less storage space	
	• More efficient use of memory	
	• Programs will be more time efficient when running	
	(d) Any two from:	[2]
	• Programs are not portable	
	• It is complex to learn	
	• Difficult to debug	

4.	4(a)Any three from: e.g. [3] − A suitable description of any error that might occur − A peripheral is connected/disconnected − A key on a keyboard is pressed − A mouse button click − A phone/video call is received − A buffer requires more data − A printer has a paper jam − A printer runs out of paper − A printer runs out of ink − When switching from one application to another NOTE: If three suitable different errors are described, this can be awarded three marks. 4(b) Any one from: [1] − The computer would only start a new task when it had finished processing the current task // by example − Computer will not be able to multitas − Errors may not be dealt with − Computer would become impossible to use
5.	Software that provides useful functions for a programmer to write a computer program [1]
6.	Code B [1]

7.	One mark for each [3]
	
	    a) Defragmentation software
	
	    b) Screen savers
	
	    c) Device drivers