

Paper 1 (Section A)

Question No.	Key	Question No.	Key
1.	C (71)	21.	D (74)
2.	C (83)	22.	D (60)
3.	A (32)	23.	B (73)
4.	B (56)	24.	B (69)
5.	D (68)	25.	D (76)
6.	A (55)	26.	D (47)
7.	C (97)	27.	A (87)
8.	A (44)	28.	B (67)
9.	D (37)	29.	C (68)
10.	B (89)	30.	A (73)
11.	A (74)	31.	D (58)
12.	B (82)	32.	C (81)
13.	A (73)	33.	D (69)
14.	A (92)	34.	D (83)
15.	C (57)	35.	C (98)
16.	A (70)	36.	B (71)
17.	C (91)	37.	C (73)
18.	D (80)	38.	A (53)
19.	A (70)	39.	C (83)
20.	B (84)	40.	B (62)

Note: Figures in brackets indicate the percentages of candidates choosing the correct answers.

Paper 1 (Section B)

	Marks
1. (a) (i) table number, staff number, number of customers, amount of discount	1×2
(ii) Check whether the input data is a non-negative number / a whole number / integer.	1, 1
(iii) number of lunch sets ordered, availability of lunch set, input time	1×2
(b) Resolution, colour depth	1×2
(c) (i) Ada can use SUM to calculate the total daily revenue.	1
(ii) It can generate better reports with unified formats. The data extraction (SQL) is more flexible.	1 1
2. (a) instant messaging (instant communication software), P2P application, FTP application, cloud-based storage	1×3
(b) There are many connections (users) to the AP and each user will share a narrower bandwidth.	1 1
OR The airport management sets a bandwidth limit on each connection so as to prevent the bandwidth being occupied by a small number of users.	
(c) Authentication purpose / encryption purpose / a better control of network resources	1×2
① Security	
① Security + authentication	
① Security + encryption	
(d) She needs a UTP (Cat5) cable and a <u>wireless router</u> to build a WiFi network in the room so that the three devices can connect to the Internet through the router.	1+1
OR She converts the notebook computer as a <u>hotspot</u> so that the tablet computer and the smart phone can connect to the Internet through the notebook computer. (hardware + connection)	
(e) Text editor: Text editor is available in all OS. / The codes of the web page can be concise.	1
Web authoring tool: Built-in tools/functions facilitate the work. / WYSIWYG / templates provided / user-friendly	1
(f) (i) Avoid unauthorised person opening the file. / Authenticate sender's identity.	1
(ii) Ms Wong uses a David's public (encryption) key to encrypt the file. Once David receives the encrypted file, he can use his private (decryption) key to decrypt the file.	1, 1
OR Ms Wong uses her private (encryption) key to encrypt the file. Once David receives the encrypted file, he can use Ms Wong's public (decryption) key to decrypt the file.	

			Marks
3.	(a)	(i) 0, 1, 1, 2, 3, 5, 8 (-1 for 1 mistake)	2
		(ii) 0, 1, 1, 2, 3 (-1 for 1 mistake)	2
		(iii) 7	1
	(b)	(i) When the application is executed, a process is divided into <u>different portions/computational threads</u> and executed in <u>different CPUs</u> independently at the same time.	1, 1
		(ii) The system consists of components which <u>interact with each other (managed by a program)</u> through a <u>networked environment</u> in order to execute the application.	1, 1
	(c)	(i) There is no purchase cost for non-commercial purpose.	1
		(ii) Source codes are given in open source software.	1
		(iii) Developers and <u>users</u> (multiple parties) can contribute and <u>develop</u> the software continuously.	1,1
4.	(a)	(i) The Hong Kong Identity card number is personal data / private information.	1
		(ii) It is because email address is unique.	1
		(iii) It is because CLASS and CLASSNO will be updated every year.	1
	(b)	(i) 1A Ho King Wan ① correct fields in order (CLASS, USERNAME) 1B Wong Pak Ting ① 4 records with correct order (1A→1B→1C) 1B Fan Hoi Kan 1C Cheng Ching Yee	2
		(ii) 3HgQ7@e	1
		(iii) The password should be long enough / have 8 characters or more. The password should comprise characters and numbers. The password should not be well-known (easy-to-guess) information.	1×2
	(c)	Enable the password-protected attribute of the spreadsheet file. (application level) Enforce the access right control. (OS level) Encrypt the file with a key known by Mr Chan only. (file encryption) Store the file in a secure portable storage device.	1×2
	(d)	(i) Unicode supports both traditional and simplified Chinese characters. / GB code/Big-5 code requires less storage space.	1
		(ii) Compile a template letter and a student data file and do mail merge.	1

		Marks
5. (a)	When students watch an English programme, they have to answer some questions and check the answers online.	1+1
	Students watch a video of an experiment online and provide input to change the process.	1+1
	① e-learning activity + ① interaction	
	(Other examples: Forum/Discussion: Students ask questions and teachers give replies. Assignment submission: Students submit homework and teachers give comment/marks. Video conferencing/Instant Messaging: Students discuss subject matters. Interactive Game: Students learn English vocabulary through playing an interactive game.)	
(b)	It has a higher computational power and a larger screen. (Stable/faster data transfer rate / easier for typing / more programs can be installed)	1, 1
(c) (i)	It is smaller file size. Text format files can be edited using any text editor.	1 1
(ii)	Email: Students can submit the reports anytime and anywhere with Internet access. / It is simple because no special network (access right) setting is required. / Email is cross-platform. / Email can provide the identity of the student. / Email can include remarks/descriptions of the reports.	1
	School network drive: It is easy for teachers to retrieve all reports at once. / It provides a larger storage capacity / supports larger file size. / The file management is centralised.	1