

FUKIEN SECONDARY SCHOOL
S2 First Term Examination (2020-2021)
Computer Literacy
(30 minutes)

Date: 15th January 2021

Name: _____

Time: 8:30a.m. - 9:00a.m.

Class: _____ No.: _____

Question Paper

Instructions to students:

1. Write your name, class and class number on both the question paper and the answer sheet.
2. Write your answers on the answer sheet.
3. Hand in the question paper and the answer sheet at the end of the examination.
4. The total mark of the paper is 100.

I. Practical Examination (40 marks)**II. Multiple Choice Questions (30 marks; 2 marks each)**

Choose the best option for each of the following questions.

1. Which of the following is an I/O device that can perform both data input and data output?
 - A. Speaker
 - B. Scanner
 - C. Touch screen monitor
 - D. Wireless keyboard

2. Which of the following are examples of visual display unit (VDU)?
 - (1) Cathode ray tube (CRT) projectors
 - (2) Light-emitting diode (LED) monitors
 - (3) Liquid crystal display (LCD) monitors
 - (4) Dot-matrix printer
 - A. (1) and (4) only
 - B. (2) and (3) only
 - C. (1), (2) and (3) only
 - D. (1), (2), (3) and (4)

3. Which of the following is commonly found as a pointing device on a desktop computer?
 - A. Mouse
 - B. Touchpad
 - C. Joystick
 - D. Trackball mouse

4. Which of the following is most commonly used as an input device in video conferencing?
 - A. Microphone
 - B. Joystick
 - C. Keyboard
 - D. Speakers

5. Which of the following is the use of a speech recognition system?
 - A. Marking multiple-choice answer sheets
 - B. Converting characters in an image into editable text
 - C. Translating text from one language to another
 - D. Converting human voice into text

6. Which of the following printers are commonly used at home?
- (1) Dot-matrix printer
 - (2) Inkjet printer
 - (3) Laser printer
 - (4) Plotter
- A. (1) and (4) only
B. (2) and (3) only
C. (1), (2) and (4) only
D. (1), (2), (3) and (4)
7. Which of the following input devices are used in the e-Channel service from the immigration department of HKSAR government?
- (1) Smart card reader
 - (2) Fingerprint scanner
 - (3) Speech recognition system
 - (4) Iris recognition system
- A. (1) and (2) only
B. (3) and (4) only
C. (1), (2) and (3) only
D. (2), (3) and (4) only
8. In the following spreadsheet, which function of spreadsheet has been applied in cell A1?

	A	B	C
1	<u>Height of S2G students</u>		
2			
3	Name	Age	Height
4	John	14	165cm
5	Mary	13	150cm
6	Peter	13	160cm

- A. Insert chart
B. Merge and center
C. Number format
D. Border line

9. In the following spreadsheet, what is the cell range of the selected cells?

	A	B	C	D	E
1					
2					
3					
4					
5					





- A. 2B:3D
 B. 3B:2D
 C. B2:D3
 D. B3:D2

10. In the following spreadsheet, which of the following formulas should be used in cell D2?

	A	B	C	D
1	Subject	Test1	Test2	Total Marks
2	Chinese	80	80	160
3	English	75	80	155
4	Mathematics	85	90	175
5	Overall	240	250	490

- A. =C2+B2
 B. =C2-B2
 C. =C2*B2
 D. =C2/B2

11. To change 0.4 to 40%, we should click

- A.  .
 B.  .
 C.  .
 D.  .

12. In the following spreadsheet, which formula should be used in cell D5?

	A	B	C	D
1	Item	Unit Price	Quantity	Sub-total
2	Butter	15.4	2	30.8
3	Orange juice	12.5	4	50.0
4	Bread	5.0	8	40.0
5			Total	120.8

- A. =SUM (B2 : D4)
B. =SUM (D2 : D4)
C. =AVERAGE (B2 : D4)
D. =AVERAGE (D2 : D4)
13. What will be the displayed result if the formula ' $-4 + 3 * 4 / 2$ ' is entered in a cell?
- A. -5
B. -2
C. 2
D. 5
14. When we are using a scanner, which of the following resolutions has the highest quality?
- A. 100 dpi
B. 200 dpi
C. 300 dpi
D. 400 dpi
15. Which of the following survey results is best presented by a pie chart?
- A. Heights of Students
B. Number of members in different sport clubs
C. Number of books and magazines borrowed each month
D. Number of students for and against the setting up of a Student Council

III. Matching (10 marks)

Match the following computer hardware with the letter of appropriate category and name each of the following computer hardware.

Computer hardware**Category**

1



A. Input device

2



B. Output device

3



4



5



IV. Structured Questions (20 marks)

1. Mr. Cheung uses a spreadsheet to record the Computer classwork scores of Form 2 students.

	A	B	C	D	E	F	G
1	Form 2 Computer Scores						
2			30%	30%	40%	100%	
3	Class No.	Name	Classwork 1	Classwork 2	Project	Weighted Mean	Rank
4	1	Anthony	77	75	67		
5	2	Anson	67	66	54		
6	3	Amy	65	76	55		
7	4	Apple	65	75	67		
8	5	Athena	65	61	97		

- (a) The “Weighted Mean” of each student is calculated using the following formula:

$$\text{Weighted Mean} = \text{Classwork 1} \times 30\% + \text{Classwork 2} \times 30\% + \text{Project} \times 40\%$$

Mr. Cheung enters the formula "`=C4*C2+D4*D2+E4*E2`" in cell F4. After that, he copies the formula into cells F5 to F8.

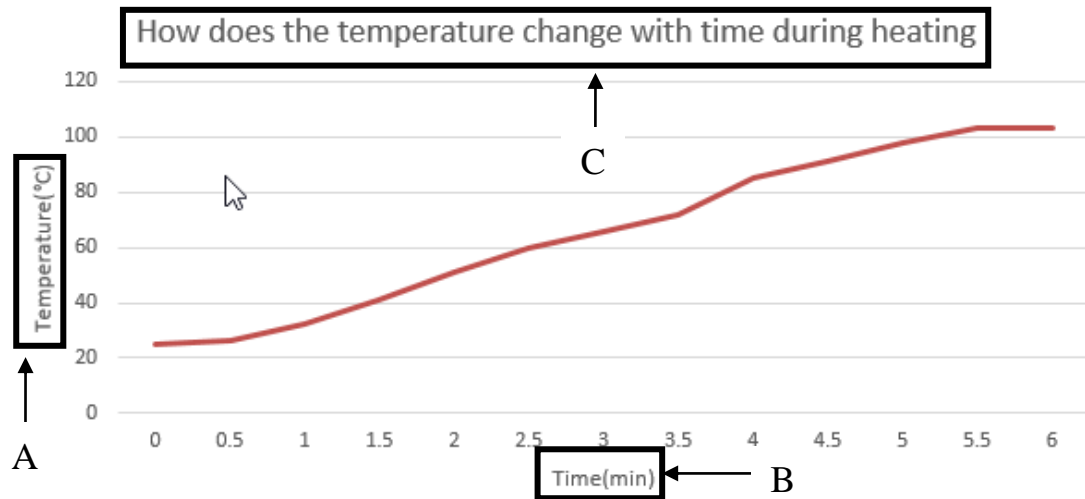
- What is the formula in cell F5 after these operations?
 - Mr. Cheung finds that the result in cell F5 is not the same as what he expected. Suggest a new formula in F4 to solve this problem.
- (4 marks)
- (b) Mr. Cheung enters the following formula into cell G4 and then copies it into G5 to G8 so as to find the rank of the "Weighted Mean" of the students. Complete the following function.

`=RANK(_____ , _____)`

(3 marks)

- (c) Name the chart components in the following diagram using the following terms.

Data label	Chart title	Legend	Horizontal axis title	Vertical axis title
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(3 marks)

2. (a) What kind of printer is most suitable for printing large size posters?

(2 marks)

- (b) Compared to a laser printer, state **one advantage** and **one disadvantage** of an inkjet printer.

(4 marks)

- (c) Apart from printing things, state **two** other functions provided in a multifunction printer.

(4 marks)

END OF PAPER