

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

Date: 18th June 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 (20 marks; 2 marks each)**

Choose the best option for each of the following questions.

1. Peter plans to upload the background music of his school web site but the web site has limited storage space. Which of the following file formats is appropriate?
 - A. WAV
 - B. MP3
 - C. MIDI
 - D. WMA
2. How many audio channel(s) do(es) a mono sound contain?
 - A. 1
 - B. 2
 - C. 3
 - D. 4
3. Mary wants to convert an audio file, abc.WAV, to MP3 format. What should she do?
 - A. Use audio editing software to export the file in MP3 format.
 - B. Rename the file as abc.MP3.
 - C. Open the file with audio recognition software and save it as another file, abc.MP3.
 - D. Copy the file to an MP3 player.
4. Which of the following is **not** a video file?
 - A. abc.BMP
 - B. abc.AVI
 - C. abc.MOV
 - D. abc.RM
5. Which of the following I/O devices is necessary for audio recording?
 - A. Web camera
 - B. Microphone
 - C. Image scanner
 - D. Touch screen monitor

Answer Questions 6 and 7 with reference to Figure 1.

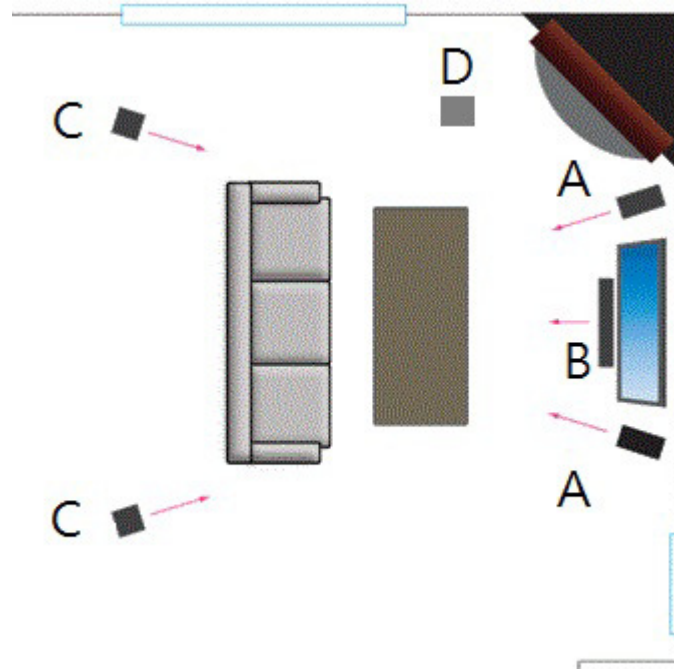
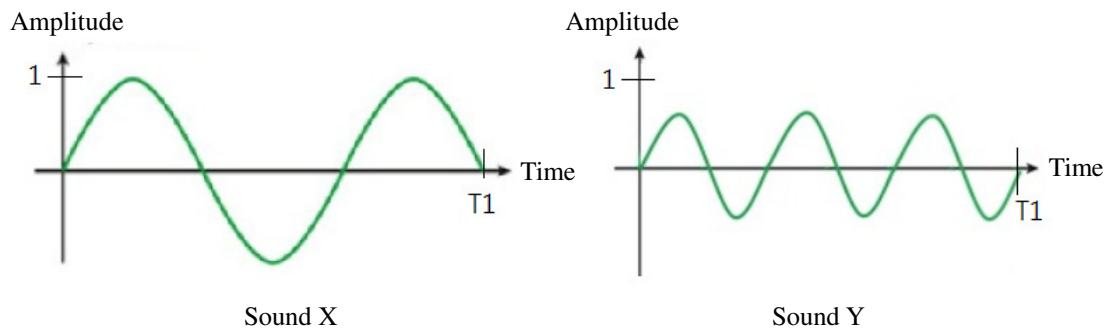


Figure 1

6. Which positions in the above diagram should the front speakers be placed in?
 - A. Position A
 - B. Position B
 - C. Position C
 - D. Position D
7. Which position in the above diagram should the subwoofer be placed in?
 - A. Position A
 - B. Position B
 - C. Position C
 - D. Position D
8. Which of the following frame rates is most suitable for shooting fast-motion videos?
 - A. 240 FPS
 - B. 120 FPS
 - C. 60 FPS
 - D. 15 FPS

9. Which of the following figures has a lower frequency?



- A. Sound X
 B. Sound Y
 C. Sound X and Y have the same frequency.
 D. Cannot be determined
10. Which of the following aspect ratios is most suitable for displaying a video on mobile phone?
- A. 1:1
 B. 16:9
 C. 4:3
 D. 3:2

III. Reordering (10 marks)

Reorder the following procedures for noise removal in Audacity.

A	Adjust the settings, such as 'Noise Reduction', 'Sensitivity' and 'Frequency Smoothing', to suit.
B	Click on the 'Get noise profile' button.
C	Highlight all the audio that you want to remove background noise.
D	Select 'Noise Reduction' tab from the effects menu.
E	Select 'Noise Reduction' tab from the effects menu again.
F	Select the silent part of the audio clip with only noise in it.

IV. Structured Questions (30 marks)

1. When we use PowerDirector, we can use the following rooms / functions to edit video clips:

Effect Room	Transition Room	Subtitle Room	Produce
Split	Modify	Trim	Power Tools

- (a) Decide which one we should use for the following situations.

- (i) Break a video clip into two parts.
- (ii) Blur a video clip.
- (iii) Remove excess videos from the beginning or at the end.
- (iv) Export to a video file.
- (v) Add a handover effect to two video clips.

(5 marks)

- (b) Which of the following media should be inserted into tracks A, B, C and D in Figure 2?

Background music	Title	Visual effect
Transition effect	Video clip	Voice over

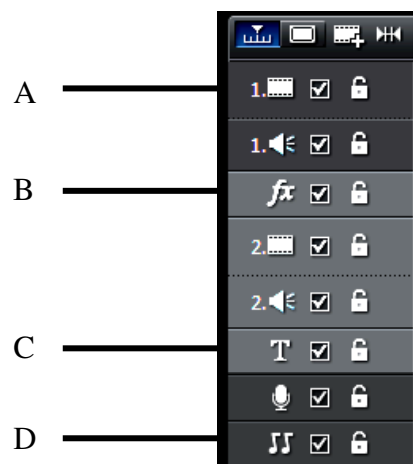


Figure 2

(4 marks)

- (c) We can adjust the speed of the video clip in the Power tool. Calculate the new length of the video clip if the original length of a video clip is 10 second and we have adjusted its video speed to 0.5X.

(2 marks)

2. Study the hardware below and answer the following questions.



Hardware A



Hardware B

- (a) What are the names of hardware A and hardware B respectively? (4 marks)
- (b) Suggest **two** input devices that can connect to hardware A. (4 marks)
- (c) Nowadays, we rarely install hardware A on a computer. Explain the reason for this. (2 marks)
3. Mr. Cheung plans to shoot a short movie and share it on an online video sharing platform.
- (a) After Mr. Cheung has thought of the synopsis of the short movie, he needs to prepare document A in the next step. What is document A? (2 marks)

After Mr. Cheung has prepared document A, he prepares a storyboard as Figure 3.



Figure 3

- (b) Explain why storyboard is important in the preparation work of a video production. (2 marks)

After shooting some videos, Mr. Cheung has edited the video as Figure 4 and sent the project file (.pds file) to his colleague, Ms. Chang. However, when Ms. Chang opens the file, the file appears like Figure 5.

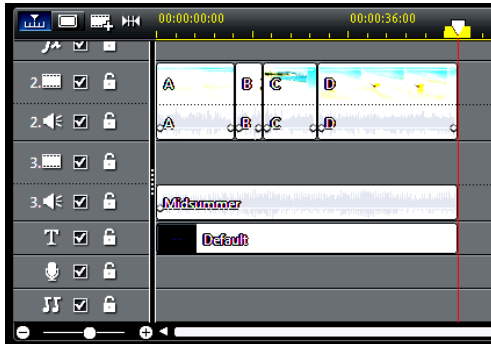


Figure 4

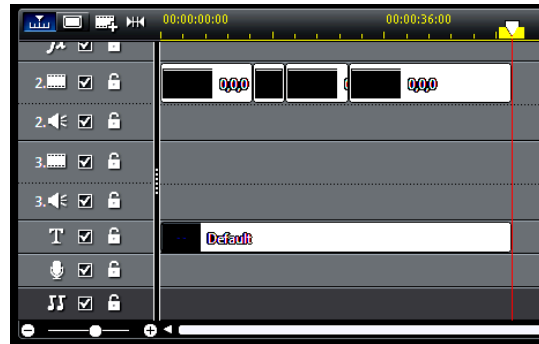


Figure 5

- (c) State one possible reason why blank scenes appear in Figure 5. (2 marks)
- (d) Mr. Cheung is going to upload his video to an online video sharing platform.
Which video file format will you suggest Mr. Cheung to use? Explain your answer. (3 marks)

END OF PAPER