UNIVERSITI TUN HUSSEIN ONN MALAYSIA

FINAL EXAMINATION
SEMESTER II
SESSION 2011/2012

COURSE NAME	:	MULTIMEDIA TECHNOLOGY AND APPLICATION
COURSE CODE	:	BEC 20202
PROGRAMME	:	BEB / BEH / BEU / BED
EXAMINATION DATE	:	JUNE 2012
DURATION	:	1 HOURS 30 MINUTES
INSTRUCTIONS	:	ANSWER **ALL** QUESTIONS IN **PART A** AND ANSWER **ONE (1)** QUESTION IN **PART B**

THIS PAPER CONSISTS OF **EIGHT** (8) PAGES

PART A: Answer all question (20 Marks)

Q1. Select the right item that refers to any type of application or presentation that involves more than one type of media, such as text, graphics, video, animation, and sound.

    A.   An executable file
    B.   Desktop publishing
    C.   Multimedia
    D.   Hypertext

Q2. Choose one of the disadvantages of multimedia from the list:

    A.   cost
    B.   adaptability
    C.   usability
    D.   relativity

Q3. The text color in a presentation slide should contrast with the color of item below. Select the correct answer

    A.   CPU
    B.   frame
    C.   stack
    D.   background

Q4. Distinguish the correct answer for Images that included in many software titles.

    A.   clipart
    B.   popups
    C.   .jpg files
    D.   .tiff files

Q5. Decide from the list below which one is called for smaller version of an image :

A. clipart
B. bitmap
C. portable network graphic
D. thumbnail

Q6. The process of planning your multimedia presentation can be summarize as:

A. design
B. storyboard
C. development
D. layout

Q7. Point out in what slide view, you can see the entire presentation displayed in miniature. This view is used to arrange the slides in your presentation, as well as, to add animations, transitions and timing.

A. arranger
B. creator
C. shaper
D. sorter

Q8. The slide _____ controls text characteristics, background color and special effects, such as shadowing and bullet style. Find the correct word to fill in the blank.

A. presentation
B. master
C. show
D. sorter

Q9. Designed to create a particular look, distiguish which below, contains color schemes,slide and title masters with custom formatting and fonts styles. Find the right word to fill in the blank.

    A.   template
    B.   presentation
    C.   slide
    D.   background

Q10. From your lab work excersice, analyze that by adding what to objects on your slides that not only controls the flow of information, but adds interest to your presentation.

    A.   background
    B.   transition
    C.   animation
    D.   popups

Q11. Select the correct item that controls the format and placement of the titles and text you type on slides, as well as, background items and graphics you want to appear on every slide. differenciate the most suitable word to fill in the blank

    A.   slide master
    B.   copyright master
    C.   layout master
    D.   design master

Q12. The first slide in a presentation is usually reserved one of below, choose the most appropriate answer.

    A.   introduction
    B.   author
    C.   master
    D.   title

Q13. Which below are the special effects, used to introduce each slide in a slide presentation. Choose correct answer.

A. Animation
B. Bulleting
C. Transition
D. Mapping

Q14. From the answer list, notes that include the slide as well as key comments and points you may want to emphasis while you present your slide show are know as:

A. speaker handouts
B. speaker notes
C. student notes
D. cheat sheet

Q15. Choose what displays type that displays the list of commands and usually appears in the toolbar at the top of the screen.

A. view displays
B. menu display
C. kit display
D. list display

Q16. Slide and title masters contain _____ that reserve spaces for text and footers such as date, time and slide number. Find the most suitable answer to fill in the blank.

A. reservations
B. placeholders
C. spaces
D. documents

Q17. By analysing the answer below, changing the appearance what, of your slide can alter the slide's color, shade, pattern, or texture.

A. background
B. foreground
C. watermark
D. design

Q18. Point out what is a series of slidesdisplayed in a particular sequence the list below

A. placeholder
B. layout
C. template
D. slide show

Q19. Quick access to frequently used commands can be found in what toolbar. Select the right answer.

A. view
B. drawing
C. kit
D. menu

Q20. Select an element that can be added to your presentation and then used to go to avariety of locations ---- for example, a web address, an e-mail address, a custom show or document, just to name a few.

A. menulink
B. hyperlink
C. toollink
D. slidelin

PART B: Answer ONE (1) questions only. (20 Marks)

Q21 (a) Give a definition of a Multimedia Authoring System.

[2 Marks]

(b) Briefly explain five ways in which content can be formatted and delivered in a Multimedia Authoring System.

[8 Marks]

(c) Demonstrate what extra information is multimedia good at conveying with respect to conventional media. What can spoken text convey that written text cannot? and When might written text be better than spoken text?

[10 Marks]

Q22. (a) Give a definition of a Multimedia System.

[2 Marks]

(b) Explain what are the key characteristics of a Multimedia System?

[4 Marks]

(c) Briefly explain eight hardware or software features that a Multimedia System should possess.

[4 Marks]

(d) The main types of multimedia data are: graphics, images, audio, and video. List technical issues are associated when these data types are integrated in a Multimedia System? For each media type briefly relate to the issues involved in generating, capturing, storing and transmitting the respective media components.

[10 Marks]

Q23. a) Differenciate between analog signals and digital signals?

[2 Marks]

b) A computer is to be used to add effects to analog audio signals. List two types of devices in general are needed? Describe their functionalities in the processing pipeline.

[4 Marks]

c) Audio signals are often sampled at different rates. CD quality audio is sampled at 44.1kHz rate while telephone quality audio sampled at 8kHz. What are the maximum frequencies in the input signal that can be fully recovered for these two sampling rates? Briefly describe the theory you use to obtain the results.

[6 Marks]

d) GIF and JPEG are two commonly used image representations. Classify images that are suitable to be represented as GIF and JPEG? Do they usually use lossless or lossy compression? Explain the reason by showing the major compression algorithm (for lossless) or the lossy steps of the algorithm (for lossy).

[8 Marks]

QUESTIONS END