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UNIVERSITI TUN HUSSEIN ONN MALAYSIA

**FINAL EXAMINATION
SEMESTER II
SESSION 2013/2014**

COURSE NAME : INTRODUCTION TO
MULTIMEDIA

COURSE CODE : BIT 10403

PROGRAMME : 1 BIT

EXAMINATION DATE : JUNE 2014

DURATION : 2 HOURS 30 MINUTES

INSTRUCTION : ANSWER ALL QUESTIONS

THIS QUESTION PAPER CONSISTS OF **FOUR (4)** PAGES

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SECTION A

Instruction: State whether each of the following statements is **TRUE** or **FALSE**.

- Q1** In Adobe Photoshop, History palette enables the user to track back every step applied on the created graphics and undo or delete a particular process.
- Q2** A 4-bit image is capable of representing 16 colours.
- Q3** Orientation and navigation is two of the crucial issues in hypertext documentation usability.
- Q4** MPEG stands for Moving Picture Experts Group.
- Q5** Animation takes continuous motion and breaks it up into discrete frames.
- Q6** Links and navigation is concerned with helping the users navigate efficiently through the network.
- Q7** Graphics with lower colour depths do not require as much frame buffer memory or display bandwidth.
- Q8** Three-dimensional (3-D) animations are static and do not change their position on the screen.
- Q9** Lossy compression is used when it is important that the original and the decompressed data be identical.

- Q10** JPEG and GIF are the image file formats that are compatible across Windows and Macintosh platforms. (10 marks)

SECTION B

- Q11** Images play an important part in a multimedia application. It serves as a navigation element, user interface components and others.

- (a) Explain in your own words the definition of raster image. (2 marks)
- (b) Outline **ONE (1)** advantage and disadvantage of raster image. (2 marks)
- (c) Discuss **TWO (2)** factors that determine the quality of a raster image. (6 marks)

- Q12** Documentation is any communicable material used to explain some attributes of an object, system or procedure. Meanwhile, hypermedia enables a documentation to be access non-linearly.

- (a) Identify **TWO (2)** differences between documentation and information. (4 marks)
- (b) Explain **THREE (3)** categories of documentation. (6 marks)

- Q13** (a) Explain how an animation is created with appropriate illustration. (5 marks)
- (b) Calculate the estimated total storage needed if the video have 24-bit colours with 320 x 288 pixel screen size, frame rate of 25 per second and showing time of 60 seconds. Show your calculation and write your answer in MB. (5 marks)

Q14 Based on **Figure Q14**, answer the following question.

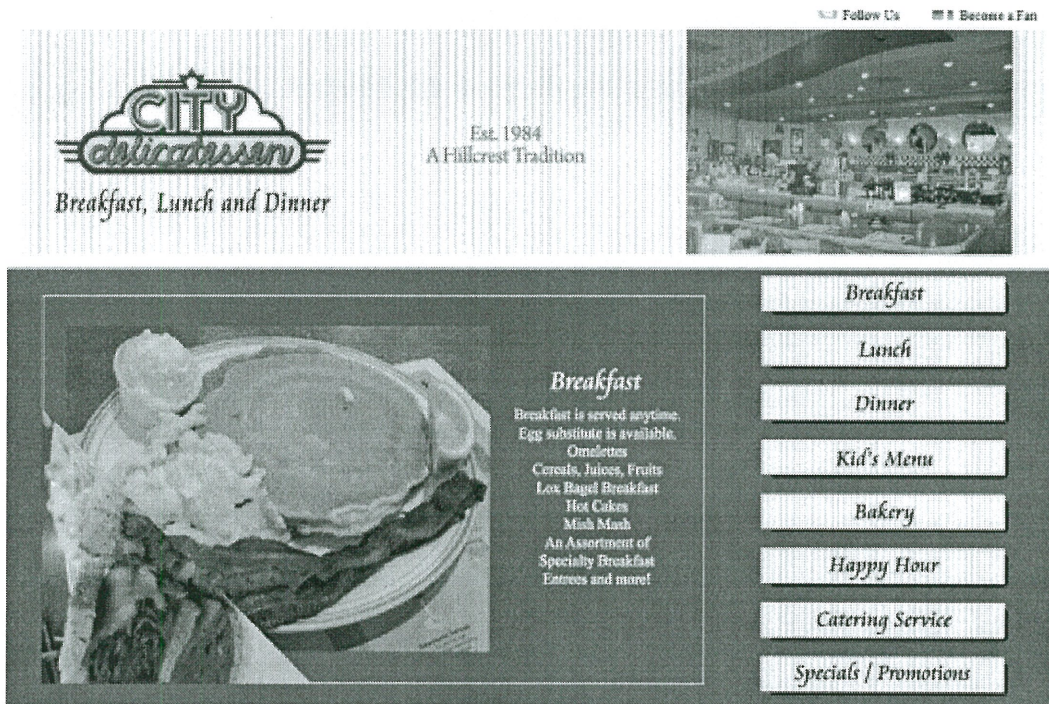


Figure Q14

As a multimedia designer, you have been assigned to redesign the official website for the cafe, City Delicatessen. By applying your knowledge of Adobe Photoshop, demonstrate the design process.

(10 marks)

- END OF QUESTION -