

FINAL
Examination Paper

(COVER PAGE)

Session : April 2015

Programme : Diploma In Information And Communication Technology (DICTN)

Course : ICT2105 / CSC1105: Interactive Multimedia

Date of Examination : August 3, 2015

Time : 2:00pm – 4:00pm Reading Time: Nil

Duration : 2 Hours

Special Instructions :

Answer any **FOUR (4)** questions.

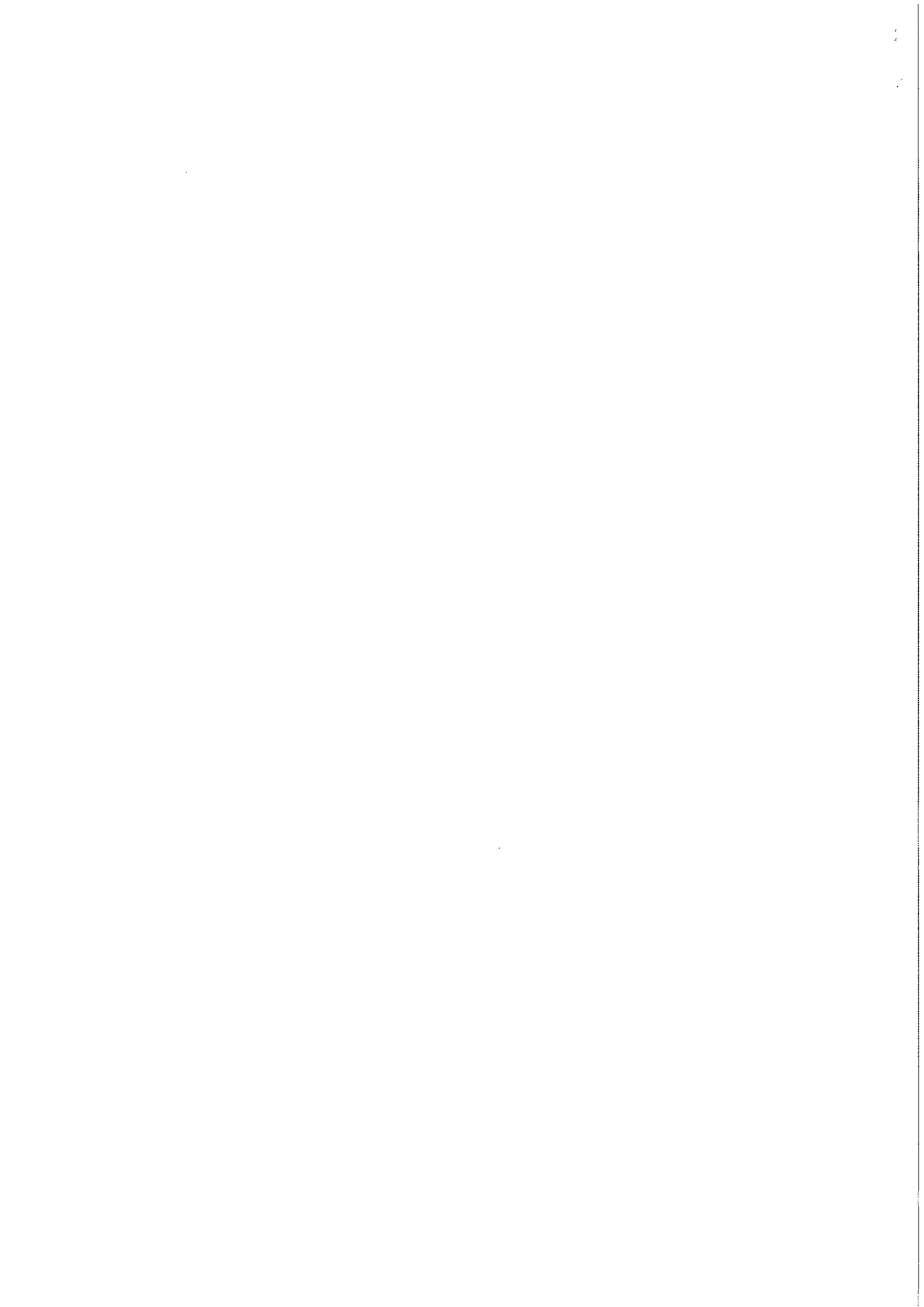
Materials permitted :
Non-Programmable Calculator

Materials provided :
Nil

Examiner (s) : Mr. Andrew Ho Mun Wah, Eric Cheah Chin Soon.

Moderator : Dr. Renee Chew

This paper consists of 4 printed pages, including the cover page.



INTI INTERNATIONAL COLLEGE SUBANG

DIPLOMA IN INFORMATION AND COMMUNICATION TECHNOLOGY PROGRAMME
ICT2105: INTERACTIVE MULTIMEDIA
FINAL EXAMINATION: APRIL 2015 SESSION

This paper consists of **SIX (6)** questions. Answer any **FOUR (4)** questions in the answer booklet provided. All questions carry equal marks.

Question 1

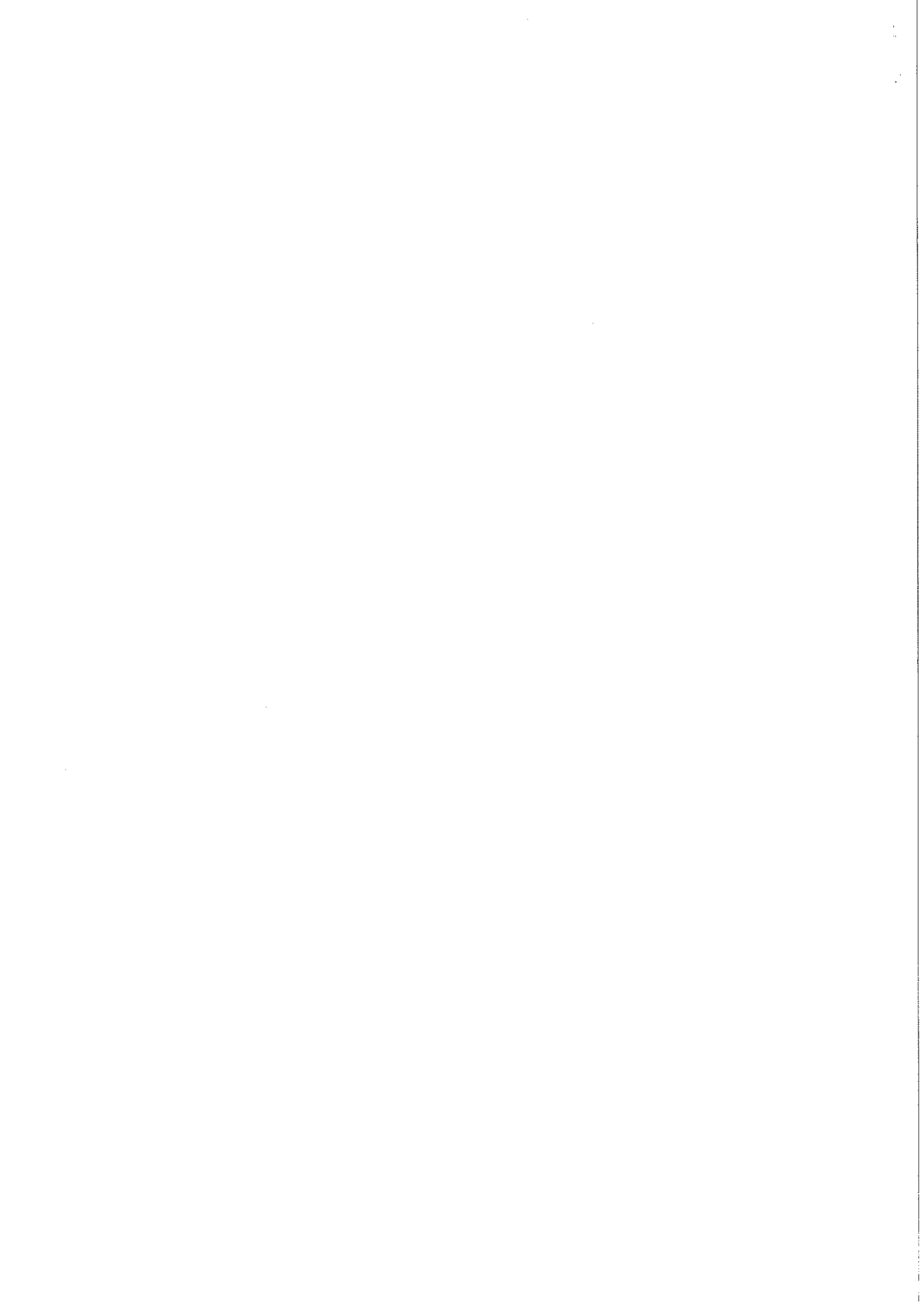
- a) Name **FIVE (5)** digital picture file formats (the file extension).
(5 marks)
- b) List and describe **FIVE (5)** guidelines when using text and font in the development of Multimedia application.
(10 marks)
- c) Define the term “digital multimedia”. Identify and briefly explain **TWO (2)** advantages and **TWO (2)** disadvantages of Multimedia application.
(10 marks)

Question 2

- a) List **SIX (6)** important considerations when planning for a digital video production.
(6 marks)
- b) Jill is interested to create an animated web site using Adobe Flash as the main multimedia development tool.
- i) Identify and explain how she can make use of **THREE (3)** types of animation techniques in Adobe Flash.
(9 marks)
- ii) List and briefly explain **FIVE (5)** interactivity that she can design for the user interface design of the web site.
(10 marks)

Question 3

- a) Propose **FIVE (5)** design guidelines to create an effective storyboard.
(5 marks)
- b) Identify and briefly explain **FIVE (5)** reasons to evaluate a multimedia application.
(10 marks)
- c) List and describe **FIVE (5)** important factors of consideration when choosing a suitable multimedia authoring tool.
(10 marks)

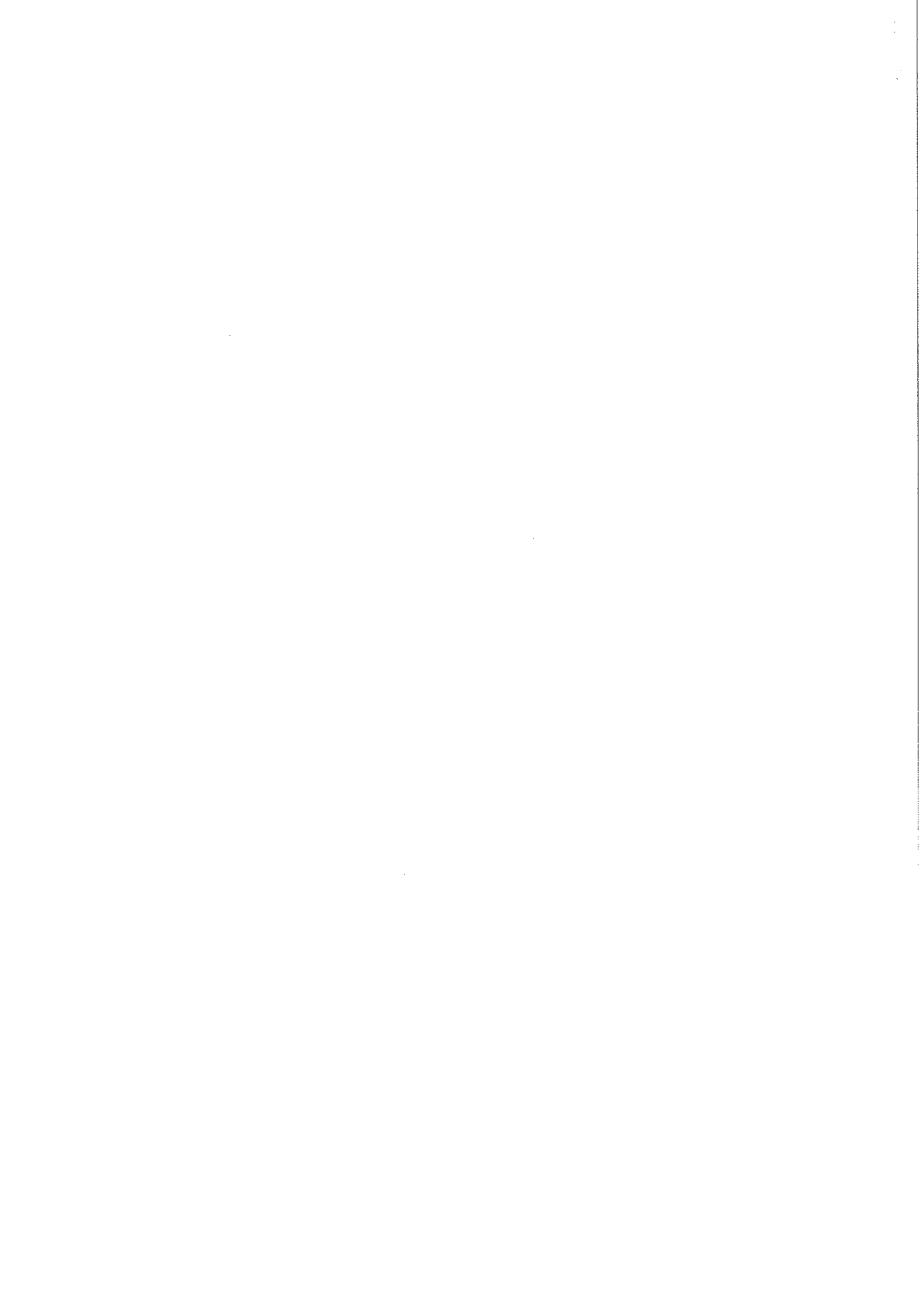


Question 4

- a) Identify and describe at least **ONE (1)** distinct responsibility for each of the following multimedia team members:-
- i. Project leader
 - ii. Content expert
 - iii. Animator
 - iv. Audio specialist
 - v. Multimedia programmer
- (10 marks)
- b) Name **FIVE (5)** important multimedia hardware devices to enable faster digitization of media data.
- (5 marks)
- c) Identify and briefly explain the **FIVE (5)** methods to safeguard the intellectual property rights of an original multimedia work.
- (10 marks)

Question 5

- a) i. Jack would like to record his song digitally using the CD-stereo quality audio format. The length of the song is 4 minutes 18 seconds. Calculate the exact storage needed to store the audio file (in Megabyte) – *do not round up the final answer*.
- (6 marks)
- ii. Suggest **TWO (2)** digital audio file extensions to store the file.
- (2 marks)
- b) i. List **FIVE (5)** options of multimedia delivery platforms.
- (5 marks)
- ii. In your opinion, which option of multimedia delivery platform should be used? State and briefly explain **THREE (3)** advantages and **THREE (3)** disadvantages for your choice of multimedia delivery platform.
- (12 marks)



Question 6

The Royal Malaysian Customs Department (RMCD) is responsible for determining and managing the policies related to the implementation of the Goods and Services Tax (GST) for the Malaysian citizens and business organizations. To improve the awareness and understanding of the newly implemented tax system, RMCD has decided to make a multimedia application. Your multimedia firm has been selected to lead the design and development of this multimedia application.

- a) Suggest and sketch the design metaphor that can be used as the user interface design theme for this multimedia application. Explain **ONE (1)** reason for your choice of design metaphor.
(5 marks)
- b) Based on the above information, list and explain **FOUR (4)** important features that can be included.
(10 marks)
- c) Identify and describe **FIVE (5)** design guidelines to enable good usability for user interface design of this multimedia application.
(10 marks)

– **THE END** –

ICT2105 (F)/ April 2015/ 190515

