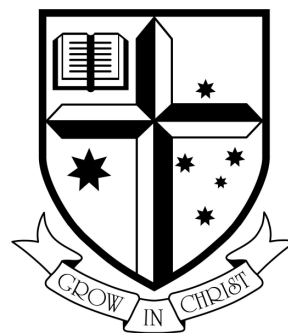

CHISHOLM COLLEGE

YEAR 11, FIRST SEMESTER EXAMINATION, 2007

QUESTION/ANSWER BOOKLET



APPLIED INFORMATION TECHNOLOGY 1A

STUDENT'S NAME

TIME ALLOWED FOR THIS PAPER

Reading time before commencing: Ten minutes
Working time for paper: Two hours

MATERIAL REQUIRED/RECOMMENDED FOR THIS PAPER

TO BE PROVIDED BY THE SUPERVISOR

This Question/Answer Booklet.

TO BE PROVIDED BY THE CANDIDATE

Standard Items Pens, pencils, eraser or correcting fluid, ruler

Special Items Mathematical and/or system templates (not essential) and calculators satisfying the conditions set by the Curriculum Council.

IMPORTANT NOTE TO CANDIDATES

No other items may be taken into the examination room. It is **your** responsibility to ensure that you do not have any unauthorised notes or other items of a non-personal nature in the examination room. If you have any unauthorised material with you, hand it to the supervisor **before** reading any further.

Structure of this paper

Part	Questions Available	No. of questions to be answered	Marks available	
			Outcome	Marks
A: Multiple Choice Outcome 2 Outcome 4	1 – 5 6 - 10	ALL	2	5
			4	5
B: Short Answers Outcome 2 Outcome 4	16 – 27	ALL	2	11
			4	2
C: Extended Answers Outcome 2 Outcome 4	28– 34	ALL	2	26
			4	18

Total Marks

Outcome	Marks
2	42
4	25

Your

Total Marks

Outcome	Marks
2	
4	

INSTRUCTIONS TO CANDIDATES

- Answer the questions according to the following instructions:
 - Part A:** Signify your answer by circling the label (**a, b, c** or **d**) of the correct response. If you change your answer, completely erase your original answer and indicate the new one clearly. Questions where two or more responses are selected will score no marks.
 - Part B:** Write your answers in the spaces following each question.
 - Part C:** Write your answers in the places indicated.
- Write your answers in the spaces provided in this Question/Answer Booklet. Spare answer pages may be found at the end of this booklet. If you need to use them, indicate in the original answer space where the answer is continued (i.e. give the page number). These spare pages may be used for making notes.
- Marks available for each question are given at the end of the question or in the rubric of each part.
- It is recommended that you do not use pencil, except in diagrams.
- You should note the space made available for an answer is **not** necessarily an indication of the length of the answer.

PART A Multiple Choice Items [Outcome 2: 5 Marks, Outcome 4: 5 Marks]

Attempt all questions in this part. Each question is worth 1 mark. Each question has only one correct response. For each question select the response that is correct. Signify your answer by circling the label (**a**, **b**, **c** or **d**) of the correct response. If you change your answer, completely erase your original answer and indicate the new one clearly. Questions where two or more responses are selected will score no marks.

OUTCOME 2:

1. Anchors on a webpage are:
 - (a) Heavy metal objects
 - (b) Invisible section bookmarks within a page
 - (c) Similar to tables with a few properties
 - (d) Clickable items that connect to other documents on the web

2. The term used to describe the differences in the intensity of light or the amount of white is:
 - (a) Resolution
 - (b) Contrast
 - (c) Saturation
 - (d) Brightness

3. Which of the following image compression types is NOT used for the internet due to the size of the file?
 - (a) PNG
 - (b) GIF
 - (c) JPG
 - (d) BMP

4. The specialized hardware-dependant computer program designed to interface a particular piece of hardware to an operating system is called a:
 - (a) Bus
 - (b) Scanner
 - (c) Word Processor
 - (d) Driver

5. Which of the following computer components is NOT an input device?
 - (a) Keyboard
 - (b) Monitor
 - (c) Touch Screen
 - (d) Scanner

OUTCOME 4:

6. Students who complete post-school education and training are more likely to:
 - (a) Earn more money
 - (b) Enjoy greater career satisfaction
 - (c) More employable
 - (d) All the above

7. The technological trend whereby a variety of different digital devices such as televisions, mobile telephones, PCs, gaming consoles and the internet are merging into a multi-use communications appliance is called:
 - (a) Piggybacking
 - (b) Web communication
 - (c) Digital convergence
 - (d) Consuming of technology

8. The term 'ergonomics' refers to:
 - (a) The amount of money spent by a webpage designer
 - (b) The colour of the room
 - (c) The interaction between a human and their workplace
 - (d) The area used for plotting graphs

9. Completed designs that have additional notes drawn over them are called:
 - (a) Scribbles
 - (b) Annotated designs
 - (c) Markings
 - (d) Mistakes

10. RSI is an acronym for:
 - (a) Recent Strain Inquiry
 - (b) Rapid Sight Increase
 - (c) Repetitive Strain Injury
 - (d) All of the above

PART B Short Answers [Outcome 2: 11 Marks, Outcome 4: 2 Marks]

Answer all questions. Write your responses in the spaces provided in this Question/Answer Booklet.

OUTCOME 2:

11. What is software and what are two categories of software? [2 marks]

12. What is meant by "Standards and Conventions" of web sites? [2 marks]

13. Name the five categories of computer hardware? [5 marks]

14. Explain two specific examples of "Standards and Conventions" of web sites. [2 marks]

OUTCOME 4:

15. Briefly identify two ways of gaining ICT qualifications. [2 Marks]

PART C Extended Answers [Outcome 2: 26 Marks, Outcome 4: 18 Marks]

There are eleven questions in Part C. Answer all of them. Write your answers in **NEXT SECTION** of this booklet using the spaces indicated. The questions will be repeated.

Scenario 1. (Outcome 2)

Sarah Smith and Jenny Jones have been travelling around Europe for 3 months. Sarah's father, who is an electrician, has created a family web site that he updates with family information such as parties, birthdays, pictures, etc. As Sarah travels around Europe she can log on to the internet at any time and get the latest news from home.

Jenny has written letters to her parents about her trip and in her letters has mentioned that the Smith's have a website that keeps Sarah up to date on all events happening at home. In Jenny's letters she indicates that she wishes her parents could do the same as Jenny's older sister is about to have a baby and it would be great to be able to see pictures of the baby. The problem is Jenny's parents have not embraced the technology age and do not have a computer or know what a web site is.

The Joneses have come to see you, an IT web site expert, to get advice on purchasing a computer system, connection to the internet, the necessary software for the system and the software for production of a web site.

You are to provide recommendations about hardware and software the Joneses will need, explaining:

1. The essential computer hardware they will need to produce this website **and** connect to the internet. As the Joneses are in the technological dark ages, you need to explain each component and its use in a simple and easy to understand way. [15 Marks]
2. They also need your advice on connecting to the internet. Explain the role of an ISP and explain what factors should influence their decision on selecting an ISP. [3 Marks]
3. Being an IT expert, you know hardware doesn't work unless it has software. List and explain the software(s) needed for the computer system and the software(s) needed to produce a web site. [4 Marks]
4. When the Joneses finally get their computer system and web site up and running they will have to do basic safeguarding in order to keep the system operating correctly. Explain two maintenance procedures they should utilize in the operation and maintenance of their system. [4 Marks]

Scenario 2. (Outcome 4)

The company you work for, Pizazz Web Development is a business that produces web sites for many large corporations (IBM, Apple, Telstra, etc). The business has only 10 employees and does not actually produce the web sites themselves. The employees are actually project managers and outsource the production of the web sites.

Answer the following questions:

1. How has outsourcing impacted on the development of webpages? [2 Marks]
2. Outline and discuss the social consequences of outsourcing? [4 Marks]
3. What are two advantages and two disadvantages of organisations outsourcing the development of webpages? [4 Marks]
4. What do you think of outsourcing (your personal views and opinions on outsourcing)? [2 Marks]
5. Briefly describe 2 work roles involved in the development of webpages. [2 Marks]
6. Discuss an area of law that a company must consider when creating and implanting webpages. [2 Marks]
7. How do webpage production businesses ensure they are compliant with the laws? [2 Marks]

5. Briefly describe 2 work roles involved in the development of webpages.

[2 Marks]

6. Discuss an area of law that a company must consider when creating and implanting webpages.

[2 Marks]

7. How do webpage production businesses ensure they are compliant with the laws?

[2 Marks]
