



STAMFORD COLLEGE

SCHOOL OF BUSINESS

DIPLOMA IN CORPORATE ADMINISTRATION

(SEMESTER 2)

DCA 105: DESKTOP PUBLISHING AND DATABASES

Date : 11 October 2006 (Wednesday)

Time : 2.00 pm – 4.00 pm

Duration: 2 hours

Instructions to Candidates

Answer ALL questions.

Please ensure that this examination paper contains SIX questions on FIVE printed pages before you start the examination.

Books, papers and other written materials are not allowed to be brought into the examination hall. A candidate who violates the examination rules of Stamford College or commits a malpractice will be disqualified from the examination. Candidates may use calculators provided the calculators give no printout, have no work display facilities, are silent and cordless.

Write your Examination Index Number on each page of your answer booklet.

NOTE

Meaning of icons used
in this examination
question paper



=

For this question, save
your work in a file on the
computer desktop AND
in the diskette provided



=


For this
question, you
are required to
print the
answer



=

For this question, write
your answer in the
answer booklet provided

Answer ALL questions.


Question 1 

(a) Briefly define each of the following terms:

- (i) Data (½ mark)
- (ii) Information (½ mark)
- (iii) Field (½ mark)
- (iv) Record (½ mark)
- (v) Table (½ mark)

(b) Draw a diagram that clearly illustrates the terms (a)(i) to (a)(v). (1½ marks)

(c) Explain two benefits of a computerised database over a manual database. (1 mark)
(Total = 5 marks)

Question 2 

Convert the unnormalised Purchase Order data below into Third Normal Form.

OrderNo	CustNo	CustName	PartNo	PartName	QtyOrdered	PartPrice
001	C1	John	100	Piping	10	10.50
			101	Window	2	12.60
			200	Hammer	3	5.50

Your answer should consist of four tables.

They are a) Order table b) Customer table c) OrderPart table d) Part table.

(Total = 5 marks)

Question 3



- (a) Create and save to diskette, a database named Student.mdb that has two tables named Student and StudentMarks. Link both tables via the Student Id fields. (5 marks)

Structure of the Student table:

Field Name	Data Type	Field Size	Primary Key?
Student Id	AutoNumber	Long Integer	Yes
Student Name	Text	30	No
Address	Text	50	No

Data of the Student table:

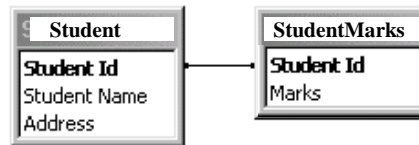
Student Id	Student Name	Address
1	Able	No 123 JLN Taming Sari
2	Barry	No 450 JLN Bendahara
3	Cindy	No 600 JLN Hang Tuah

Structure of the StudentMarks table:

Student Id	Marks	Field Size	Primary Key?
1	100	Long Integer	Yes
2	90		
3	60		
MARKS	NUMBER	Long Integer	No

Data of StudentMarks:

Relationship of the two tables:



(2½ marks)

- (b) Create a query named StudentQuery that consists of the following fields: Student Id, Student Name, Address and Marks. Save the query in your diskette and close the database. (2½ marks)
- (c) Create and save to diskette, a master document named StudentMerge.doc that contains the following merge fields (from the query StudentQuery) and text: (5 marks)

<p>SCM«Student Id» «Student_Name» «Address»</p> <p>Dear «Student_Name», We are pleased to inform you that you scored «Marks» marks in your recent exam.</p> <p>Regards Mr John Korledge</p>
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(Total = 15 marks)

Question 4



Create a database named Staff.mdb that contains the following tables and form:

- (a) Create THREE tables named Staff, Course and Difficulty. The primary key of each table is shown as underlined text. (5 marks)

Staff table

<u>staffid</u>	staffname	courseid	rateperhour	phone	address	birthday
AutoNumber	text (30)	number	number	text(10)	Memo	Date/Time

Course table

<u>courseid</u>	coursename	durationdays	difficultyid
number	text (40)	number	text (1)

Difficulty table

<u>diffid</u>	diffdesc
text (1)	text (40)

- (b) Populate each table with the following data: (2½ marks)

Staff table

<u>staffid</u>	staffname	courseid	rateperhour	phone	address	birthday
1	Bean	901	10	0126666666	Jasin	6/25/2006
2	Korledge	902	20	0127777777	Melaka	12/31/1990
3	Frankha	903	30	0128888888	Tampin	11/30/1968

Course table

<u>courseid</u>	coursename	durationdays	difficultyid
901	Management	4	A
902	Accounts	6	C
903	Graphics	2	B

Difficulty table

<u>diffid</u>	diffdesc
A	Easy
B	Medium
C	Hard

(c) Link the three tables via the relationship links as shown below: (2½ marks)

Staff table

<u>staffid</u>	staffname	courseid	rateperhour	phone	address	birthday
AutoNumber	text (30)	number	number	text	Memo	Date/Time

Course table

<u>courseid</u>	coursename	durationdays	difficultyid
AutoNumber	text (40)	number	text (1)

Difficulty table

<u>diffid</u>	diffdesc
text (1)	text (40)

(d) Create the form below. Use the “Standard” style, name the form as “Staff” and save the database Staff.mdb to the diskette. (5 marks)

The value “Management” is from the **Course** table. Data is bound to courseid of **Staff** table. This means that the courseid field of **Staff** table will show the value of 901. 901 is the code for “Management”.

birthday

June		2006				
Sun	Mon	Tue	Wed	Thu	Fri	Sat
28	29	30	31	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	1
2	3	4	5	6	7	8

Mask is used

The value “Easy” is from the **Difficulty** table. Data is bound to difficultyid of **Course** table. This means that...
 ...the difficultyid field of **Course** table will show a value of “A” (which is the code for “easy”).

Combo boxes

A calendar object is used. It is bound to the birthday field of **Staff** table.

Form fields and values:

- staffid: 1
- staffname: Bean
- courseid: Management
- durationdays: 4
- difficultyid: Easy
- rateperhour: 10
- phone: 012-6666666
- address: Jasin

(Total = 15 marks)

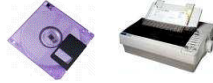
Question 5



- (a) Define desktop publishing. (1 mark)
- (b) State FOUR guidelines that make a desktop published document look attractive. (4 marks)

(Total = 5 marks)

Question 6



Use the RagTime software to produce a magazine article entitled “Digital Integration”.
Get the work files from <http://www.stamford.edu.my/socsscm/mag.zip>, which are needed to create the below article. Save your work to the diskette as Digital.rtd. You must also print it.

(Total = 5 marks)

Type your examination no. (as per your exam docket)

SCM / DCA2 / ??

MY ARTICLE

DIGITAL INTEGRATION

A famous Software House

Digital Integration is based in Cambridge, Surrey in the UK. As a wholly owned subsidiary of Titan Computers, we partner one of the UK's finest and largest, a part of one of the industry's large groups.


We have a long history of PC development and are already involved in development for Sony's PlayStation. We're also looking for the possibilities of developing for other next generation consoles.

Vacancies

Here's where you come in. We are currently recruiting programmers, and we would be pleased to discuss the details of our requirements over the telephone.

Programmers

Requirements: Programmer with at least 3 years experience available



real-time modelling, defining advantage.

Graduate - video

Graduate with a minimum 2nd class degree. Experience of Lightwave 3 or 6 is ideal. However, a thorough knowledge of other leading 3D packages will be considered. A strong passion for video games.

There's an eye for detail

A passion for games. Good communication skills, both written and spoken. The ability to respect a game's theme to the nth degree. 2+ years experience of computer games, of which 1 year is preferred.

Graduate - programmer

Graduate programmer with a minimum 2nd class degree. Experience of C++ is essential. A strong passion for video games. Ability to demonstrate examples of work is a definite advantage.

video

Requirements: Diploma or video level certificate available or 1 year of full-time professional experience. Ideally experience of using Lightwave 3 or 6. However, a thorough knowledge of other leading 3D packages will be considered. Experience of low-polygon

Times New Roman, Regular, font size 72

Fill Style Sheet: Black Gradient

Times New Roman, Bold, font size 36

Times New Roman, Bold, font size 36, shadow

Times New Roman, font size 24

Times New Roman, font size 12

Text frame contains three columns

Text flows around the picture object, with a horizontal distance of 0.1 inch and a vertical distance of 0.1 inch

Times New Roman, font size 24

mustang.jpg