



**INFORMATION MANAGEMENT SYSTEM FOR BUSINESS 2**  
**7120**

**CAMEROON GENERAL CERTIFICATE OF EDUCATION BOARD**

Technical and Vocational Education Examination

**JUNE XXXX**

**ADVANCED LEVEL**

|                                    |                                                                 |
|------------------------------------|-----------------------------------------------------------------|
| Specialty Name<br>(Specialty Code) | <b>TAXATION AND INFORMATION<br/>MANAGEMENT SYSTEM. TIM(FIG)</b> |
| Subject Title                      | <b>INFORMATION MANAGEMENT SYSTEM<br/>FOR BUSINESS</b>           |
| Paper No.                          | <b>2</b>                                                        |
| Subject Code No.                   | <b>7120</b>                                                     |

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**Three hours**

**INSTRUCTIONS TO CANDIDATES**

*You are reminded of the necessity for good English and orderly presentation in your answers.*

*You are advised to read carefully through the question paper, before you begin your answers.*

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**Turn Over**

**Question One**

1. a) What is an operating system? (2marks)  
b) List and explain 4 functions of an operating system (8marks)
2. What is the use of the following super globals in PHP  
a) \$\_POST (2marks)  
b) \$\_GET (2marks)
3. Consider the IP address 193.168.10.4.  
a) What is the class of this address? (2marks)  
b) What is the network address of this IP address? (2marks)  
c) What is a broadcasting address of a computer in this network? (2marks)

**Total (20 Marks)****Question Two**

1. The diagram below is a sign up form designed with HTML.

**Create an Account**

Email:

Password:

Age:

Tell us a little about yourself:

☐

I agree to the term of service

**Sign up**

Given that two options for the age field are 18-30, and 31-45 and that the form is handled by user transact.php, write the HTML code to realize this sign up form. (20marks)

**Question Three**

1. You are provided with the following two relations: Book and Student

Book

| isbn   | tittle                   | author  |
|--------|--------------------------|---------|
| 213-34 | Principles of management | hoffman |
| 413-21 | International law        | Alain   |
| 124-75 | Introduction to VBA      | Louis   |

Student

| Student ID | name  | surname | department       | Isbn   | age |
|------------|-------|---------|------------------|--------|-----|
| UB1        | Cyril | Awa     | law              | 413-21 | 25  |
| UB3        | John  | Mola    | Computer science | 124-74 | 21  |
| UB6        | Peter | Kum     | Management       | 213-34 | 23  |

Given that isbn in the student table is a foreign key, write queries to the above tables as follows

- a) List the name and surname of the student with student ID UB3 (2marks)
- b) Obtain the number of students in the student table (3marks)
- c) Obtain the name of the student who was issued the book with isbn 213-34 (2marks)
- d) Obtain the number of students who are below 25 years old (3marks)
- e) Obtain the number of students with ages between 23 and 25. (3marks)
- f) Obtain the title of the book issued to Cyril (3marks)
2. Define the following terms
  - a) Conceptual database model (2marks)
  - b) Logical database model (2marks)

**Total (20 Marks)**

#### Question Four

A company buys and sells computers. Using Virtual Basic Application, do the following

- Write code that prompts the user to enter the name of the company, the cost price and the selling price of computers.
- Calculate the profit made after a period of one year
- Use MsgBox( ) to display the result

**(20 marks)**

#### Question Five

1. Describe the following information systems and state one area where each is useful
  - a) MIS (2marks)
  - b) DSS (2marks)
  - c) TPS (2marks)
- 2 Describe Four criteria for a strong password (5marks)
- 3 differentiate between the following
  - a) www and Internet (3marks)
  - b) intranet and extranet (3marks)
  - c) clients/server network and peer-to-peer network (3marks)

**Total ( 20 Marks)**

#### Question Six

Write HTML code to produce the table below.

| Employee | Department     | Project |
|----------|----------------|---------|
| Francis  | Sales          | X       |
| Jane     | Accounting     | Y       |
| Hilda    | Human resource | Z       |

**Total (20marks)**