0796 ICT 3 – June 2026

GROUP 1

REGISTRATION CENTRE NUMBER	CENTRE NAME
CANDIDATE'S FULL NAMES	
CANDIDATE IDENTIFICATION NUMBER	SUBJECT CODE **0796** PAPER NUMBER **3**
FOR OFFICIAL USE ONLY (Candidate Random Code):	

General Certificate of Education Examination
ADVANCED LEVEL

SUBJECT TITLE INFORMATION & COMMUNICATION TECHNOLOGIES	SUBJECT CODE **0796**	PAPER NUMBER **3**
EXAMINATION DATE: **JUNE 2026**		

Duration: Two Hours
GROUP 1

Enter the information required in the shaded boxes.
Do not write in pencil.

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

Your results must be recorded in the spaces provided in this question booklet. Candidates must allow for themselves enough time to complete and check their work where these are required.

The supervisor will guide you on how to save your files but usually you will be expected to save all your work in one folder named ***Candidate folder*** *that will be created in your desktop.*

When an imperative programming language is require to write program code, either ***Standard |ISO|****Pascal or |ANSI|C programming language may be used.*

You should ensure all your work is collected and printed before leaving the examination room. All printed work should be inserted in this booklet and well stapled.

CAREFULLY HANDLE ALL EQUIPMENT PUT AT YOUR DISPOSAL to avoid accidents that may lead to a disaster or system failure. Report any case of system or device malfunction to your supervisor.

Answer ALL TASKS.

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Turn Over

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TASK A: DATABASES (28 Marks)

This task is based on three tables containing data of Cameroon Development Cooperation (CDC).
The tables are contained in a database named ***Personnel*** stored in your candidate folder.
Carefully study the database tables below and perform the tasks as instructed.
Employee(StaffNo, Surname, First_Name, Department, Age, Absence)
Emp_Salary(Staff_No, Dept_ID, Salary)
Department(Dept_ID, Department).

Open the database named **Personnel** from your Candidate Folder and carefully study the database objects and contents.

1. Determine the following table elements after normalization.
   Primary keys: _____
   Foreign key: _____
   Composite keys: _____
   Table containing composite keys: **(4 marks)**
   _____

2. Complete the table below **(4 marks)**

	Employees table	**Emp_Salary table**	**Department table**
Number of records			
Number of attributes			
Number of key fields			
Number of fields			

3. Study the structure of the three tables and implement the keys identified above. **(2 marks)**
4. Create a relationship between the three tables. **(3 marks)**
   Take a screen capture of the active relationship window.
   Open the Word document ***My Screen shots*** in your candidate folder and paste your screen capture.
5. Open the table **Emp_Salary** in design view and make the following changes.
   a) Add caption to the Dept_ID field to read **Dept_Ref**. **(2 marks)**
   b) Format the **Salary** field to currency and select the currency ***Euro*** **(2 marks)**
   c) Add a Validation text to read, **"Salaries cannot be less than 200000 or more than 500000."** **(1 mark)**
   Take a screen capture of the field properties of *Salary* in the **Emp_Salary** table while in the design view and paste in the *My Screen Shots* Word document.
   Save the changes made.
   Switch to Datasheet view and Print a copy of Emp_Salary table.
6. Open the **Employees** table in datasheet view and perform the following sorting and filtering activities.

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a) Sort the *Surname* field in ascending order. **(1 mark)**

b) In the *Department* field, extract records for Administration and Training departments using the filter facility. **(2 marks)**

c) Change the page orientation to landscape. **(1 mark)**

Print the resulting Employees table.

7.

a) Create a query that selects the records of employees who are older than 45 years and have salaries between 225000 and 415000. Display only the fields *Surname, Age, Salary* and *Department*. Save the query as ***First_Selection***. **(5 marks)**

Describe what you have done in the filtering criteria in the lines below

_____
_____
_____
_____
_____
_____

b) Switch to the *SQL View* and copy the code of your query. Paste the SQL code in ***My Screen shots*** Word document. **(1 mark)**

Print a copy of My Screen shots.

TASK B : SPREADSHEET (22 MARKS)

This task is based on a workbook name **GRADEBOOK** found in your candidate folder. The worksheet is designed to grade students after taking four (4) tests. The tests have different weights, for example Test 1 is 10% while Test 2 is 20%.

Open the file **GRADEBOOK** in the candidate folder.

1. Center and merge **Professor's Grade Book** across cells A1 through J1. **(4 marks)**
   Also carry out the following formatting on this first row: change the font size to 16 and the fill color to grey and change the height of the row to 35 pixels. Insert thick cell border about A1:J1.
2. Insert borders about all the cells in the range A4:J14. **(1 mark)**
3. Use formula and cell referencing wherever the formula requires a value found in the worksheet:

a) **Test Average**: This is calculated by taking into consideration the test mark and the weight of the exam (Exam Weight) found in row 20. It is done by taking the sum of the product of each test mark and the exam weight (found in row 20). For example, Test1*Exam Weight + Test2*Exam Weight…. **(2 marks)**

Write down the formula you have used to calculate the test average

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for Awudu Mustapha in cell G4:
G4: _____

Used absolute reference in the appropriate reference in the above formula and copy the formula to other students. Write down the formula to derive the test average for Fred Jerry. **(1 mark)**

Fred Jerry: _____

b) **Semester Average**: If the student's homework is **OK** then the semester average is the test average plus the homework bonus (HW Bonus) found in cell H17; otherwise, the semester average is just the test average. Apply absolute reference to your formula and copy the formula through the other students. Write down the formula you have used to calculate the commission for Becky Sanda in cell I8: **(3 marks)**

I8: _____

c) **Grades**: If the semester mark of a student is between 0 to 40, his/her grade is D, 41 to 50 his/her grade is C, etc. Use conditional formula to insert the grade of the students by considering the semester average and grading scheme of test marks given in the range A25:C28. **(3 marks)**

Write down the formula used to obtain the Grade of Bah John in J7

J7: _____

d) **Class Average**: Use functions to calculate the class average for each test. **(2 marks)**

Write down a formula you used to calculate the class average of Test 3 in cell E16.

E16: _____

e) **Highest Grade**: This is highest score for each Test to be calculated amongst all students. **(1 mark)**

Write down a formula in cell D17 which gives the **Highest Grade** amongst all students for Test2

D17: _____

f) **Lowest Grade**: This is lowest score for each Test to be calculated amongst all students. **(1 mark)**

Write down a formula in cell C18 which gives the **Lowest Grade** amongst all students for Test1

C18: _____

g) **Grade Count**: Use formula to count the number of occurrences of each grade in the J column. **(2 marks)**

Enter the formula in the range H25:H28.

Write down the formula you have used to count the number of occurrences for

Grade A in H25 _____

Grade D in H25 _____

h) Format the class averages and semester averages to 2 decimal **(2 marks)**

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places.

Save the workbook and print a copy.

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GROUP 2

REGISTRATION CENTRE NUMBER	CENTRE NAME
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CANDIDATE IDENTIFICATION NUMBER	SUBJECT CODE **0796** PAPER NUMBER **3**
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General Certificate of Education Examination
ADVANCED LEVEL

SUBJECT TITLE INFORMATION & COMMUNICATION TECHNOLOGIES	SUBJECT CODE **0796**	PAPER NUMBER **3**
EXAMINATION DATE: **JUNE 2026**		

Duration: Two Hours
GROUP 1

Enter the information required in the shaded boxes.
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Answer ALL TASKS.

FOR EXAMINERS' USE ONLY	
Marked by:..... *Signature: .... Date: .....* ***Checked by:***..... *Signature: .... Date: .....*	***SCORE***

Turn Over

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TASK A: DATABASES (28 Marks)

This task is based on three tables containing data of Cameroon Development Cooperation (CDC).
The tables are contained in a database named ***Personnel*** stored in your candidate folder.
Carefully study the database tables below and perform the tasks as instructed.
Employee(StaffNo, Surname, First_Name, Department, Age, Absence)
Emp_Salary(Staff_No, Dept_ID, Salary)
Department(Dept_ID, Department).

Open the database named **Personnel** from your Candidate Folder and carefully study the database objects and contents.

1. Determine the following table elements after normalization.
   Primary keys: _____
   Foreign key: _____
   Composite keys: _____
   Table containing composite keys: **(4 marks)**
   _____

2. Complete the table below **(4 marks)**

	Employees table	**Emp_Salary table**	**Department table**
Number of records			
Number of attributes			
Number of key fields			
Number of fields			

3. Study the structure of the three tables and implement the keys identified above. **(2 marks)**
4. Create a relationship between the three tables. **(3 marks)**
   Take a screen capture of the active relationship window.
   Open the Word document ***My Screen shots*** in your candidate folder and paste your screen capture.
5. Open the table **Emp_Salary** in design view and make the following changes.
   a) Add caption to the Dept_ID field to read **Dept_Code**. **(2 marks)**
   b) Format the **Salary** field to currency and select the currency ***Euro*** **(2 marks)**
   c) Add a Validation text to read, **"Salaries cannot be less than 200000 or more than 500000."** **(1 mark)**
   Take a screen capture of the field properties of *Salary* in the **Emp_Salary** table while in the design view and paste in the *My Screen Shots* Word document.
   Save the changes made.
   Switch to Datasheet view and Print a copy of Emp_Salary table.
6. Open the **Employees** table in datasheet view and perform the following sorting and filtering activities.

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a) Sort the *Surname* field in ascending order. **(1 mark)**

b) In the *Department* field, extract records for Administration and Training departments using the filter facility. **(2 marks)**

c) Change the page orientation to landscape. **(1 mark)**
Print the resulting Employees table.

7.

a) Create a query that selects the records of employees who are older than 45 years and have salaries between 225000 and 415000. Display only the fields *Surname, Age, Salary* and *Department*. Save the query as ***Senior_45***. **(5 marks)**
Describe what you have done in the filtering criteria in the lines below

_____
_____
_____
_____
_____
_____

b) Switch to the *SQL View* and copy the code of your query. Paste the SQL code in ***My Screen shots*** Word document. **(1 mark)**
Print a copy of the My Screen shots.

TASK B : SPREADSHEET (22 MARKS)

This task is based on a workbook name **GRADEBOOK2** found in your candidate folder. The worksheet is designed to grade students after taking four (4) tests. The tests have different weights, for example Test 1 is 7% while Test 2 is 23%.
Open the file **GRADEBOOK2** in the candidate folder.

1. Center and merge **Professor's Grade Book** across cells A1 through J1. **(4 marks)**
Also carry out the following formatting on this first row: change the font type to Algerian and the fill color to grey and change the height of the row to 35 pixels. Insert thick cell border about A1:J1.
2. Insert borders about all the cells in the range A4:J14. **(1 mark)**
3. Use formula and cell referencing wherever the formula requires a value found in the worksheet:

a) **Test Average**: This is calculated by taking into consideration the test mark and the weight of the exam (Exam Weight) found in column M. It is done by taking the sum of the product of each test mark and the exam weight (found in column M). For example, Test1*Exam Weight + Test2*Exam Weight…. **(2 marks)**
Write down the formula you have used to calculate the test average

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for Zachee Teke in cell G4:
G4: _____
Used absolute reference in the appropriate reference in the above formula and copy the formula to other students. Write down the formula to derive the test average for Kuma John. **(1 mark)**
Kuma John: _____

b) **Semester Average**: If the student's homework is **OK** then the semester average is the test average plus the homework bonus (HW Bonus) found in cell J19; otherwise, the semester average is just the test average. Apply absolute reference to your formula and copy the formula through the other students. Write down the formula you have used to calculate the commission for Soro Micheal in cell I7. **(3 marks)**
I7: _____

c) **Grades**: If the semester mark of a student is between 0 to 40, his/her grade is D, 41 to 50 his/her grade is C, etc. Use conditional formula to insert the grade of the students by considering the semester average and grading scheme of test marks given in the range A25:C28. **(3 marks)**
Write down the formula used to obtain the Grade of Lama Ndenge in J5
J5: _____

d) **Class Average**: Use functions to calculate the class average for each test. **(2 marks)**
Write down a formula you used to calculate the class average of Test 3 in cell E18.
E18: _____

e) **Highest Grade**: This is highest score for each Test to be calculated amongst all students. **(1 mark)**
Write down a formula in cell D17 which gives the **Highest Grade** amongst all students for Test2
D19: _____

f) **Lowest Grade**: This is lowest score for each Test to be calculated amongst all students. **(1 mark)**
Write down a formula in cell C18 which gives the **Lowest Grade** amongst all students for Test1
C20: _____

g) **Grade Count**: Use formula to count the number of occurrences of each grade in the J column. **(2 marks)**
Enter the formula in the range H25:H28.
Write down the formula you have used to count the number of occurrences for
Grade A in H25 _____
Grade D in H28 _____

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h) Format the class averages and semester averages to 2 decimal places. **(2 marks)**

Save the workbook and print a copy.

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0796 ICT 3 – June 2026

GROUP 3

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CANDIDATE'S FULL NAMES	
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ADVANCED LEVEL

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Duration: Two Hours
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Marked by:..... *Signature: .... Date: .....* ***Checked by:***..... *Signature: .... Date: .....*	***SCORE***

Turn Over

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TASK A: DATABASES (28 Marks)

This task is based on three tables containing data of Cameroon Development Cooperation (CDC).
The tables are contained in a database named ***Staff_Data*** stored in your candidate folder.
Carefully study the database tables below and perform the tasks as instructed.
Employee(StaffNo, Surname, First_Name, Department, Age, Absence)
Emp_Salary(Staff_No, Dept_ID, Salary)
Department(Dept_ID, Department).

Open the database named **Personnel** from your Candidate Folder and carefully study the database objects and contents.

1. Determine the following table elements after normalization.
   Primary keys: _____
   Foreign key: _____
   Composite keys: _____
   Table containing composite keys: **(3 marks)**
   _____

2. Complete the table below **(4 marks)**

	Employees table	**Emp_Salary table**	**Department table**
Number of records			
Number of attributes			
Number of key fields			
Number of fields			

3. Study the structure of the three tables and implement the keys identified above. **(2 marks)**
4. Create a relationship between the three tables. **(4 marks)**
   Take a screen capture of the active relationship window.
   Open the Word document ***My Screen shots*** in your candidate folder and paste your screen capture.
5. Open the table **Emp_Salary** in design view and make the following changes.
   a) Add caption to the Dept_ID field to read **Dept_LP**. **(2 marks)**
   b) Format the **Salary** field to currency and select the currency ***Euro*** **(2 marks)**
   c) Add a Validation text to read, **"Salaries cannot be less than 200000 or more than 500000."** **(1 mark)**
   Take a screen capture of the field properties of *Salary* in the **Emp_Salary** table; when you have switched to the design view and paste in the *My Screen Shots* Word document.
   Save the changes made.
   Switch to Datasheet view and Print a copy of Emp_Salary table.
6. Open the **Employees** table in datasheet view and perform the following sorting and filtering activities.

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a) Sort the *Surname* field in ascending order. **(1 mark)**

b) In the *Department* field, extract records for Administration and Training Departments using the filter facility. **(2 marks)**

c) Change the page orientation to landscape. **(1 mark)**

Print the resulting Employees table.

7.

a) Create a query that selects the records of employees who are older than 45 years and have salaries between 225000 and 415000. Display only the fields *Surname, Age, Salary* and *Department*. Save the query as ***Old_Col***. **(5 marks)**

Describe what you have done in the filtering criteria in the lines below

_____
_____
_____
_____
_____
_____

b) Switch to the *SQL View* and copy the code of your query. Paste the SQL code in ***My Screen shots*** Word document under the SQL heading. **(1 mark)**

Print a copy of the My Screen shots.

TASK B : SPREADSHEET (22 MARKS)

This task is based on a workbook name **GRADEBOOK3** found in your candidate folder. The worksheet is designed to grade students after taking four (4) tests. The tests have different weights, for example Test 1 is 15% while Test 2 is 20%.

Open the file **GRADEBOOK3** in the candidate folder.

1. Center and merge **Professor's Grade Book** across cells A1 through J1. **(4 marks)**

   Also carry out the following formatting on this first row: change the font size to 16 and the fill color to grey and change the height of the row to 35 pixels. Insert thick cell border about A1:J1.

2. Insert borders about all the cells in the range A4:J14. **(1 mark)**

3. Use formula and cell referencing wherever the formula requires a value found in the worksheet:

   a) **Test Average**: This is calculated by taking into consideration the test mark and the weight of the exam (Exam Weight) found in row 22. It is done by taking the sum of the product of each test mark and the exam weight (found in row 22). For example, Test1*Exam Weight + Test2*Exam Weight…. **(2 marks)**

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Write down the formula you have used to calculate the test average for Tambe Petra in cell G4:
G4: _____
Used absolute reference in the appropriate reference in the above formula and copy the formula to other students. Write down the formula to derive the test average for Sama Peter. **(1 mark)**
Sama Peter: _____

b) **Semester Average**: If the student's homework is **OK** then the semester average is the test average plus the homework bonus (HW Bonus) found in cell H18; otherwise, the semester average is just the test average. Apply absolute reference to your formula and copy the formula through the other students. Write down the formula you have used to calculate the commission for Kome Kang in cell I10: **(3 marks)**
I10: _____

c) **Grades**: If the semester mark of a student is between 0 to 40, his/her grade is D, 41 to 50 his/her grade is C, etc. Use conditional formula to insert the grade of the students by considering the semester average and grading scheme of test marks given in the range A26:C29. **(3 marks)**
Write down the formula used to obtain the Grade of Sama Peter in J13
J13: _____

d) **Class Average**: Use functions to calculate the class average for each test. **(2 marks)**
Write down a formula you used to calculate the class average of Test 1 in cell B18.
B18: _____

e) **Highest Grade**: This is highest score for each Test to be calculated amongst all students. **(1 mark)**
Write down a formula in cell C18 which gives the **Highest Grade** amongst all students for Test1
C18: _____

f) **Lowest Grade**: This is lowest score for each Test to be calculated amongst all students. **(1 mark)**
Write down a formula in cell D18 which gives the **Lowest Grade** amongst all students for Test1
D18: _____

g) **Grade Count**: Use formula to count the number of occurrences of each grade in the J column. **(2 marks)**
Enter the formula in the range F26:F29.
Write down the formula you have used to count the number of occurrences for
Grade A in F26: _____

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Grade D in F29 : _____

h) Format the class averages and semester averages to 2 decimal places. **(2 marks)**

Save the workbook and print a copy.

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