

Computer Science Theory

00-6004/1

CAMEROON GENERAL CERTIFICATE OF EDUCATION BOARD

Probatoire Technique and Probatoire De Brevet de Technicien Examinations

JUNE 2016

Date: Monday 23-05-2016

Series/ Specialties	All Series and Specialties except ACA, ACC, CG, FIG and ESF
Subject Title	Computer Science Theory
Subject Code No.	00-6004/1
Type of Exam	WRITTEN
Weighting (Coef.)	SEE INSIDE

Duration: **16:15 - 17:15

General Instructions

*You are reminded of the necessity for good English and orderly presentation of your material.
Where calculations are involved show your working, giving your answer at each stage.*

Content: QUESTIONS

Specific Instructions

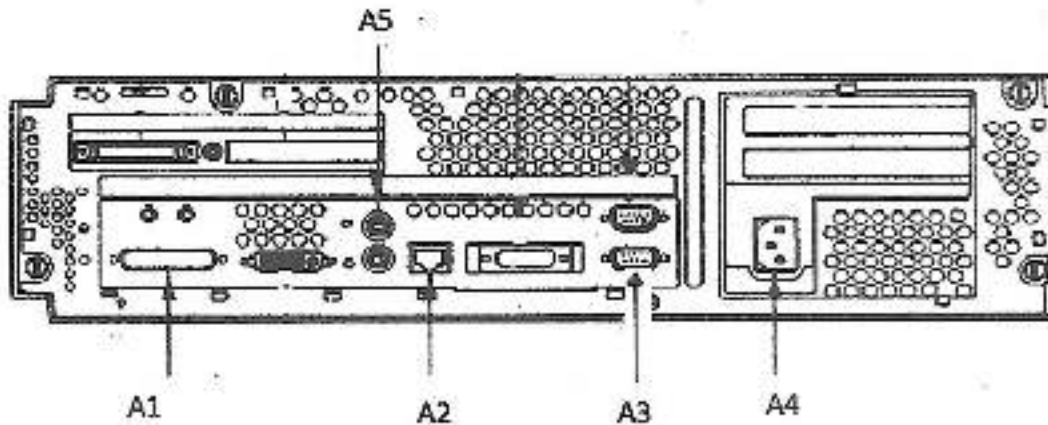
Turn over

COMPUTER SCIENCE
THEORY PAPER

No document or equipment is authorized except those given by the invigilator.
Attempt all questions. The mark allocation is indicated for each question.

I. COMPUTER HARDWARE AND NETWORK(7 marks)

- I.1 State two advantages of the LCD monitors over the CRT monitors. (1 mark)
- I.2 The diagram below shows the back of a system unit. Study the diagram and match the parts labeled, A1 to A5 that you will use to connect the following: (2.5 marks)
- a) electrical power supply cable
 - b) monitor
 - c) mouse
 - d) network cable
 - e) printer



- I.3 A network connects computers together (1.5 marks)
- a) Give two advantages and one disadvantage of computer Network (1.5 marks)
 - b) State and sketch two types of computer network topologies. (1 marks)
- I.4 State one function in each case of the following components of the Microprocessor (1 mark)
- a) ALU
 - b) Registers

II. KNOWLEDGE OF COMPUTER SOFTWARE AND MAINTENANCE(7 marks)

2.1 What type of application software is:

- a) Mozilla Firefox
- b) Microsoft Office Excel
- c) Notepad
- d) Microsoft Office Acces

(0.5x4=2 marks)

2.2 State two ways by which we can protect a computer system from

a) Breaking down.

b) Infected by viruses.

(4 marks)

2.3 Give one reason for using a bootable CD.

(1 mark)

III. INFORMATION ORGANISATION AND PROCESSING, USAGE OF ICT(6 mks)

3.1 State two (2) operations that can be performed on data that is stored in a table.

(2 marks)

3.2 Compute $2457_8 + 3464_8$

(2 marks)

3.3 What is the difference between data and information?

(2 marks)