



7

UGANDA BUSINESS AND TECHNICAL EXAMINATIONS BOARD

Business and Humanities Certificate Examinations

APRIL-MAY 2022 SERIES

PROGRAMME

NATIONAL CERTIFICATE IN INFORMATION AND COMMUNICATION
TECHNOLOGY

PAPER NAME

FUNDAMENTALS OF INFORMATION TECHNOLOGY

PAPER CODE

NCIT111

YEAR I, SEMESTER I

2½ HOURS

WEDNESDAY, 27TH APRIL, 2022

INSTRUCTIONS TO CANDIDATES

1. This paper consists of **two** sections **A** and **B**.
2. Section **A** is compulsory and carries **20** marks.
3. Section **B** consists of **six** questions. Answer only **four** questions from this section.
4. All questions carry equal marks
5. Begin each answer on a fresh page.
6. **Do not** write on the question paper.
7. All answers and rough work should be written in the official answer booklet provided.
8. Read other instructions on the answer booklet.

SECTION A - (20 MARKS)

Answer all questions in this section.

Question One

- (a) State **two** examples of;
 - (i) Hardware (02 marks)
 - (ii) Software (02 marks)
- (b) List **two** examples of secondary storage devices. (02 marks)
- (c) Name **two** types of printers. (02 marks)
- (d) Define the term **booting** as applied in computing. (02 marks)
- (e) Differentiate between a **storage device** and **storage medium**. (02 marks)
- (f) Differentiate **LCD monitors** from **CRT monitors**. (04 marks)
- (g) Define a **computer**. (02 marks)
- (h) List **four** characteristics of computers. (02 marks)

SECTION B - (80 MARKS)

Answer only four questions from this section.

Question Two

- (a) Distinguish between **input devices** and **output devices**. (04 marks)
- (b) Explain the importance of **BIOS** to an inverter system. (04 marks)
- (c) Describe the steps which a user undertakes to change the boot sequence of a windows operating system. (06 marks)
- (d) Discuss **three** features found in windows desktop environment. (06 marks)

Question Three

- (a) Define **internet**. (02 marks)
- (b) Differentiate between **intranet** and **extranet**. (04 marks)
- (c) Explain the following terms as used in computing.
 - (i) Downloading (02 marks)
 - (i) Uploading (02 marks)
- (e) Explain **five** advantages of using internet for a student. (10 marks)

Question Four

- (a) Explain **two** types of memory. (04 marks)
- (b) Differentiate between the following;
 - (i) A File and a Folder. (04 marks)
 - (ii) Primary and Secondary storage. (04 marks)
- (c) List **two** characteristics of RAM. (02 marks)
- (d) Explain **three** ways of protecting computer storage devices against damage. (06 marks)

Question Five

The director of Mulongo Auto Spares suspects his computer to be having a virus but he is not yet sure because he has limited knowledge about computer viruses.

- (a) State **five** symptoms of a computer with a virus. (05 marks)
- (b) Advise him on **five** ways a virus can attack a computer so that next time he does not fall a victim. (05 marks)
- (c) Explain **five** methods of preventing viruses from attacking computers. (10 marks)

Question Six

John bought a laptop for his office. He wants to be getting hard copies of his office work and backing the other copies on a removable device.

- (a) State the peripheral that can be used to produce a hard copy above. (02 marks)
- (b) Explain **four** types of devices mentioned in 6(a). (08 marks)
- (c) Describe **four** factors considered when purchasing the device in 6(a). (08 marks)
- (d) Outline **two** peripheral devices that are attached to a computer system. (02 marks)

Question Seven

- (a) Differentiate between the following;
 - (i) System and Application Software. (04 marks)
 - (ii) Drivers and Operating System. (04 marks)
- (b) Explain **four** functions of an operating system to a computer. (08 marks)
- (c) Describe **two** features you would consider before selecting the type of operating system to install in a computer. (04 marks)

END