



REFORMED CHURCH UNIVERSITY

FACULTY OF EDUCATION AND SOCIAL SCIENCES

Bachelor Education Honours In ECD

Information Communication Technology in ECD

HECD 114

Part 1 Semester 1 Examination

Total Marks [100]

Date: October, 2024

Time: 3 Hours

INSTRUCTIONS

1. This paper has *six (6)* questions
2. Answer any *four (4)* questions
3. Each question carries *25 marks*
4. Start each question on a new page

1. (a) Explain five properties of a computer that distinguish different types of computers. [10]
(b) Outline the evolution of computers. [15]
2. (a) Define secondary storage and primary storage. [5]
(b) Giving examples, distinguish RAM and ROM. [8]
(c) Describe the use of four secondary storage devices. [12]
3. (a) Explain the following terms as used in database systems.
(i) Data mining [2]
(ii) Data warehousing [2]
(b) Evaluate the usefulness of DBMS. [10]
(c) Outline characteristics of DBMS. [11]
4. (a) Give five benefits and four drawbacks of networks. [9]
(b) Describe any four types of networks. [16]
5. (a) Distinguish system software from application software. [12]
(b) Examine classification of computer hardware giving examples. [13]
6. (a) Justify why computer systems should be secured. [10]
(b) Explain how best an organization can protect its computers from security threats. [15]

END OF PAPER