

QP CODE 2015521303

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DMI-ST. EUGENE UNIVERSITY

ZAMBIA

DEGREE EXAMINATION – JUNE 2024

Semester: I

551/552/252 CS 13 FUNDAMENTALS OF COMPUTER

Time: 3:00 Hours

Max. Marks: 100

Answer any FIVE Questions (5 x 20 = 100 Marks)

1. a) Explain the components of computer. (10 Marks)
b) Explain the basic operations of computer. (10 Marks)
2. a) Explain in detail on Computer Organization & Architecture. (10 Marks)
b) Discuss in detail on input devices with examples. (10 Marks)
3. a) Explain what is an algorithm and give TWO properties of a good algorithm. (6 Marks)
b) Draw a flow chart to input TWO numbers A and B and find the largest. (10 Marks)
c) Add the following decimal numbers $10111 + 11010$. (4 Marks)
4. a) Explain Memory Management. (10 Marks)
b. i. List FIVE threats to data on a computer system. (5 Marks)
ii. Explain how you would protect data against any two of the mentioned threats? (5 Marks)
5. a) What is World Wide Web (WWW)? (5 Marks)
b) Describe a search engine. (5 Marks)
c) Explain the difference between mail server and email client. (10 Marks)
6. a) Explain on data storage with practical examples. (10 Marks)
b) Discuss the importance of Antivirus in business. (10 Marks)
7. a) Explain the Properties of algorithms. (10 Marks)
b) What are the Advantages of algorithms? (10 Marks)