



HEBERT CHITEPO SCHOOL OF LAW AND BUSINESS SCIENCES

DEPARTMENT OF ECONOMICS & FINANCE

MAIN EXAMINATION

BACHELOR OF COMMERCE DEGREE

JAVA FOR FINANCIAL MANAGERS

DATE

DURATION

PART 1 SEMESTER 1

HFE429

2024

3 HOURS
GREAT ZIMBABWE UNIVERSITY
RECEIVED
-- NOV 2024
EXAMINATIONS OFFICE

INSTRUCTIONS TO CANDIDATES

- 1. Answer all questions*
- 2. All questions carry equal marks*

- b. Write a Java program that uses loops to accept 10 prices into an array and to print the 10 values. The program should print the following:
- All prices less than 15
 - All prices that are even
 - All odd prices
 - All prices that are factors of 8
- [15 marks]

Question two

- a. Write a Java program that takes three numbers from the user and prints the greatest number. *Test Data:-*
Input the 1st number: 25
Input the 2nd number: 78
Input the 3rd number: 87
Expected Output: The greatest: 87 [8 marks]
- b. Write a Java program that takes a number from the user and generates an integer between 1 and 7. It displays the weekday name. *Test Data*
Input number: 3
Expected Output: Wednesday [7 marks]
- c. Write a Java program to accept the lower limit and upper limit from the user and then display all prime numbers in that range. [10 marks]

Question three

- a. Write a Java program to convert an RTGS value to either ZAR, USD or Pula and vice versa. Ask for the rate from the user. [15 marks]
- b. Write a Java program that converts temperature in degrees Celsius to degrees Fahrenheit and vice versa. Please note 0 degrees Celsius is equal to 32 degrees Fahrenheit [10 marks]

Question four

- a. Write a program that accepts a name from the user. The program then uses functions to capitalise to word, to find the length of the word and to check if there are any numbers in the name. [15 marks]
- b. Write a program that uses nested loops to display the shape below
