

QP CODE 2143513902

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DMI-ST. EUGENE UNIVERSITY

ZAMBIA

DEGREE EXAMINATION – DECEMBER 2023

Semester: IV

351CP17 PROGRAMMING IN JAVA

Time: 3:00 Hours

Max. Marks: 100

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

1. a) Explain the basic concept of Oops. (8 Marks)
b) Write a short notes on java data types, its syntax and write an example program. (6 Marks)
c) Write a while loop program to print numbers in descending order (10 -1). (6 Marks)
2. a) Discuss about the classes and object with an example program. (10 Marks)
b) Discuss about the string function in details with an example program. (5 Marks)
c) Elucidate about the reason of having user define methods in java and explain its part in detail. (5 Marks)
3. a) Discuss the concept of super keyword with example program. (8 Marks)
b) Describe about multi-level inheritance with an example program. (7 Marks)
c) Explain the basic concept of interface. (5 Marks)
4. a) How will you create multiple thread? Explain it with example. (7 Marks)
b) Describe about the thread runnable interface give an example. (7 Marks)
c) Explain the life cycle of Applet and write the syntax. (5 Marks)
5. a) Write a java program to find whether the given person is eligible to vote or not. (5 Marks)
b) Discuss about the event classes in java with an example program. (10 Marks)
c) Discuss about the Input and output streaming in java. (5 Marks)
6. a) Write a java program to find the largest number among three using nested if –else statement and explain the program with output. (10 Marks)
b) Explain about enumeration interface. (10 Marks)

7. a) Enlighten in fact about Relational operator with an example Program. **(4 Marks)**
- b) Describe about the looping statement in java with the example program. **(10 Marks)**
- c) Write a java array program to print the numbers from 55,65,75,85 and 95. **(5 Marks)**