



QP CODE: 24804142



24804142

Reg No : .....

Name : .....

**I.M.C.A DEGREE EXAMINATION, JULY 2024**

**Fourth Semester**

Faculty of Technology and Applied Sciences

Integrated MCA

**Core - IMCA4C02 - JAVA**

2020 Admission Onwards

08BD4BBD

Time: 3 Hours

Maximum: 75 Marks

**Part A**

*Answer any **ten** questions*

*Each question carries **3** marks*

1. How Java differs from C++?
2. What is the usage of enumerated data type? Give examples
3. Describe Ternary Operator with suitable example.
4. Define class with suitable example.
5. Explain multilevel inheritance with the help of a program.
6. Write a java program to invoke immediate parent class constructor using "super" keyword
7. Explain the thread life cycle.
8. Write a java program to copy the file content to another file using character stream.
9. Write a applet program to draw a text " ALL THE BEST".
10. How HTML is used in applet programming
11. Explain Connection classes.
12. Write a swing program to find the cube of a numbers.

(10×3=30 marks)





## Part B

Answer *all* questions

Each question carries **9** marks

13. a) Explain the concept of Reading input from console and Writing output to console with suitable example

OR

- b) Explain the various looping statements and loop control statements available in Java with suitable example

14. a) Does Java supports multiple inheritance ? Justify your answer.

OR

- b) Differentiate between interface and abstract class.

15. a) Explain the concept of FileNotFoundException with suitable example

OR

- b) What is thread priority?

16. a) Explain the applet and applet life cycle.

OR

- b) How event handling is performed in applet?

17. a) Explain the ResultSet class used in JDBC connectivity.

OR

- b) Write a program to enter the details in the database student it should contain studid, studname, studbatch, studcourse. Do the Create, insert, delete(based on the id) select ,update operation

(5×9=45 marks)

