C   Reg. No. :

Duration: Three hours   Maximum: 100 Marks

Answer ALL Questions

PART A - (5x 1 = 5 Marks)

1. Java compiler translates Java source code into _____.   CO1- U

    (a) Java bytecode   (b) machine code.

    (c) assembly code.   (d) another high-level language code

2. Which of these are selection statements in Java?   CO2- U

    (a) if()   (b) for()   (c) continue   (d) break

3. What would be behavior if the constructor has a return type?   CO2- U

    (a) Compilation error   (b) Runtime error

    (c) Compilation and runs successfully   (d) Only String return type is allowed

4. Which of these keywords is used to refer to member of base class   CO2- U
    from a sub class?

    (a) upper   (b) super   (c) this   (d) None of the mentioned

5. Which method is called internally by Thread start() method?   CO2- U

    (a) execute()   (b) run()   (c) launch()   (d) main()

PART – B (5 x 3= 15 Marks)

6. Why Java is platform independent?   CO1-U

7. Differentiate class and objects.   CO2- U

8. Write down the rules for constructor.   CO2- U

9. What is inheritance and how does it help us create new classes quickly?   CO2- U

10. What are the different states of a thread? CO2- U

<div align="center">PART – C (5 x 16= 80Marks)</div>

11. (a) (i) Explain in detail about Inheritance, polymorphism Data encapsulation & abstraction. CO1- U (8)

(ii) Write a java program to find biggest among three numbers. CO3- App (8)

<div align="center">Or</div>

(b) (i) Explain about Data types and Identifiers in Java Programming. CO1- U (8)

(ii) Write a java program to count the number of ODD or EVEN numbers.. CO3- App (8)

12. (a) Explain in detail about Looping Statements in java with suitable example. CO2- U (16)

<div align="center">Or</div>

(b) Explain detail about break and continue statement with suitable example. CO2- U (16)

13. (a) Write short notes on default and overloading constructor with suitable example. CO2- U (16)

<div align="center">Or</div>

(b) Explain detail about inner and access control specifier with suitable example. CO2- U (16)

14. (a) Explain in details about exception handling techniques with example. CO2- U (16)

<div align="center">Or</div>

(b) Explain detail about multiple catches in exception handling with an example CO2- U (16)

15. (a) What is thread? Explain multithreading with suitable examples. CO2- U (16)

<div align="center">Or</div>

(b) Explain briefly about the life cycle of applet with an example. CO2- U (16)

<div align="center">2</div>

<div align="right">**99273**</div>