



K. K. Wagh Institute of Engineering Education & Research, Nashik
(An Autonomous Institute From A.Y. 2022-23)

	InSem Examination-I Winter 2023		
	Exam Seat No.:		
	Academic Year:2023-2024	Semester:III	
	Name of Programme: B.Tech Computer Engineering/AI and DS/ Computer Science and Design	Pattern:2022	
	Name of Course:Programming Paradigms and Java Programming	Course Code: COM222005	
	Max. Marks:30	Duration:1 Hr	

	<p>Instructions: Candidates should read carefully the instructions printed on the Question Paper and on the cover page of the Answer Book, which is provided for their use.</p> <ol style="list-style-type: none">1. This question paper contains 2 page(s).2. Answer to each new question is to be started on a new page.3. Assume suitable data wherever required, but justify it.4. Draw the neat labelled diagrams, wherever necessary.5. The last columns indicates the Course Outcome and level of Blooms Taxonomy of the Question/sub-question	
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Question No. 1 Attempt following Question

a)

Explain following issues associated with language standardization

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|------|--------------|-----|-----|
| i. | Timeliness | (5) | CO1 |
| ii. | conformance | | |
| iii. | obsolescence | | |

OR

b)

Explain Proprietary and consensus standards.

(5) CO1

- c) Differentiate between procedural and object oriented paradigms. (5) CO1

OR

- d) Describe features of Logic programming paradigm. (5) CO1
e) Explain steps involved in analysing source program. (5) CO1

OR

- f) Explain steps involved in synthesis of source program. (5) CO1

Question No. 2 Attempt following Question

- a) Illustrate JVM architecture with a diagram. (5) CO2

OR

- b) Explain features of Java. (5) CO2
c) Demonstrate a Java program to search element in a array . (5) CO2

OR

- d) Demonstrate a Java program to accept elements of a matrix and display its transpose using two-dimensional array (5) CO2
e) With example explain use of break and continue statement (5) CO2

OR

- f) With example explain use of following String methods
i) replace()
ii) compareTo()
iii) charAt() (5) CO2
iv) indexOf()
v) substring()