

H.T.No:

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Course Code No: 20IT3T02

VISHNU INSTITUTE OF TECHNOLOGY (AUTONOMOUS)

II B. Tech I Semester (R20) - Regular Examinations, FEB/MAR – 2022

OBJECT ORIENTED PROGRAMMING THROUGH JAVA

(CSE, IT, AI & DS & CS & BS)

Time: 3 Hours

Max. Marks: 70M

Note: 1. Answer all the 5 Questions
2. Each Question carries 14 Marks
3. Answer either question from each unit

UNIT – I

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|---|---|---|----|-----|------|
| 1 | a | What is meant by byte code and JVM? Briefly explain how Java is platform-independent. | L1 | CO1 | [7M] |
| | b | Why data type is important? What are primitive Data types in Java | L2 | CO1 | [7M] |

OR

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|---|---|--|----|-----|------|
| 2 | a | What are the OOP concepts that Java supports and how important are they? | L3 | CO1 | [7M] |
| | b | Write a java program to find the maximum value in given three values. | L1 | CO1 | [7M] |

UNIT – II

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|---|---|--|----|-----|------|
| 3 | a | What is a Constructor? Write a java program to illustrate Constructor Overloading. | L1 | CO2 | [7M] |
| | b | Explain the Dynamic Method Dispatch in Java with example | L2 | CO2 | [7M] |

OR

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|---|---|--|----|-----|------|
| 4 | a | Write the various purposes of “this” keyword in syntax and explain them with appropriate programs. | 1 | CO2 | [7M] |
| | b | What is method over loading ? Explain with example program. | L1 | CO2 | [7M] |

UNIT – III

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|---|---|--|----|-----|------|
| 5 | a | Give an example of how an interface can be used to support multiple inheritances. | L1 | CO3 | [7M] |
| | b | Write a java program to find the factorial value of the given number using a user-defined package concept. | L2 | CO3 | [7M] |

OR

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|---|---|---|----|-----|------|
| 6 | a | What is an interface? How will you define and access an interface? | L3 | CO3 | [7M] |
| | b | Explain the creation and importing of packages with suitable examples | L1 | CO3 | [7M] |

UNIT – IV

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|---|---|--|----|-----|------|
| 7 | a | What are the different ways to handle exceptions? Explain. | L1 | CO4 | [7M] |
| | b | Write a java program to read the file contents and copy the content to another file. | L2 | CO4 | [7M] |

OR

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|---|---|--|----|-----|------|
| 8 | a | Explain the following in detail with an example
a) throw b) throws c) finally | L3 | CO4 | [7M] |
| | b | Write about various stream classes in java. | L1 | CO4 | [7M] |

UNIT – V

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|---|---|--|----|-----|------|
| 9 | a | What is a thread? Explain the various thread priorities. | L1 | CO5 | [7M] |
| | b | What is JDBC? Explain steps for connectivity between java program and database | L2 | CO5 | [7M] |

OR

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|----|---|--|----|-----|-------|
| 10 | a | Explain the different ways in which a thread can be created. Also, write programs for each type. | L3 | CO5 | [10M] |
| | b | What is the difference between row set and result set in Java? | L1 | CO5 | [4M] |
