R20

Reg. No: ☐☐☐☐☐☐☐☐☐☐

SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)
MCA I Year II Semester Regular Examinations November 2021
JAVA PROGRAMMING

Time: 3 hours   Max. Marks: 60

(Answer all Five Units **5 x 12 = 60** Marks)

UNIT-I

1	a	Explain the different types of control statements & looping in java.	L2	8M
	b	Explain about Java buzzwords in detail.	L2	4M

OR

2	a	What is Constructors? Explain the types of constructors with an example.	L1	8M
	b	Write a java program of Factorial with class and object?	L3	4M

UNIT-II

3	a	Define a package. Describe the details of creating and access a package with an example.	L2	6M
	b	Write a program of statement displaying using CLASSPATH package and import package using a display the statement?	L3	6M

OR

4	a	What is inheritance? Explain the benefits of Inheritance.	L1	6M
	b	Discuss the types of inheritance in java with an example	L2	6M

UNIT-III

5	a	Write a program to file operation to implement a random access file operations?	L3	6M
	b	Explain in detail Reader class & Writer class with an example.	L2	6M

OR

6	Explain detail about the Hashset & Treemap with appropriate program	L2	12M

UNIT-IV

7	What is an exception handling? Discuss the benefits of exception and classification of exception handling.	L1, L2	12M

OR

8	a	Write a difference between multiple processes and multiple threading	L4	6M
	b	What is Multithreading? Explain in details of Thread states with architecture diagram	L2	6M

UNIT-V

9	a	What is an applet? Discuss in briefly four methods of applet.	L2	6M
	b	Explain in detail life-cycle of an applet	L1	6M

OR

10	Discuss in detail of Event class with an example.	L2	12M

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