

18MCA21

econd Semester MCA Degree Examination, Jan./Feb. 2021

Programming Using Java

Max. Marks: 100

Note: Answer any FIVE full questions, choosing ONE full question from each module.

	IVO	te: Answer any FIVE full questions, choosing ONE full question from each mod	ute.
		Module-1	
			(10 Marks)
	b.	Explain with an example: (i) Finalizer (ii) This key words.	(10 Marks)
		OR	
2		J1	(10 Marks)
	b.	Explain concept of default constructor and parametrifed constructor with example.	(10 Marks)
		Module-2	(10 % //)
3	a.		(10 Marks)
	b.	What are shift operators? Explain with example.	(10 Marks)
		OP	
4		OR	(10 Mayles)
4	a.	1	(10 Marks)
	b.	What is method over loading? Explain with example.	(10 Marks)
Module-3			
5	0		(10 Marks)
3	a. b.		(10 Marks)
	υ.	Explain abstract classes with example.	(IO Marks)
		OR	
6	a.	What is interface? Explain how interfaces are implemented in Java.	(10 Marks)
	b.	What are packages in Java? Explain with example.	(10 Marks)
		Module-4	
7	a.	What is exception? Explain the exception handling mechanism with example.	(10 Marks)
	b.	Explain how to create custom exception with example.	(10 Marks)
		OR	
8	a.	Explain threading, multi-threading and what are the ways to create threads.	(10 Marks)
	b.	Write a Java program using synchronized threads which demonstrates producer	consumer.
			(10 Marks)
		Module-5	
9	a.	What is enumeration? Explain values () and value of () methods with examples.	
	b.	Define annotation. Explain any four built in annotations in Java.	(10 Marks)
		OR	
10	a.	Write a short note on:	
		(i) LITTPLIPI connection class	

- (i) HTTPURL connection class.
- (ii) Inet address class. (10 Marks)
- b. What are collection classes? Write a Java program to demonstrate utilities of linkedlist class.
 (10 Marks)

Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages. 2. Any revealing of identification, appeal to evaluator and /or equations written eg, 42+8=50, will be treated as malpractice.