



B.Tech IV Semester Supplementary Examinations, December 2024

JAVA PROGRAMMING
(IT)

Maximum Marks: 70

Date:17.12.2024

Duration: 3 hours

- Note:**
1. This question paper contains two parts A and B.
 2. Part A is compulsory which carries 20 marks. Answer all questions in Part A.
 3. Part B consists of 5 Units. Answer any one full question from each unit which carries 10M.
 4. Each question carries 10 marks and may have a, b, c, d as sub questions.

Part-A

All the following questions carry equal marks (10X2M=20) Marks		CO	Bloom Tx
1	Define Polymorphism.	1	L1
2	Distinguish between procedural language and OOPs?	1	L1
3	How to create packages and import packages.	2	L1
4	What is Serialization	2	L1
5	Explain the usage of try and catch briefly.	3	L1
6	Distinguish between process and thread.	3	L1
7	Define Java collection Frame work.	4	L1
8	Define enumeration with syntax.	4	L1
9	Define Applet.	5	L1
10	Define adapter class?	5	L1

Part-B

Answer All the following questions. (5X10M=50Marks)		CO	Bloom Tx
11	A) Explain about String class with example program. (5M) B) Explain about this keyword with a program. (5M)	1	L2
OR			
12	A) Explain in detail about OOPs concepts. (5M) B) What is Array? Explain different types of array and also discuss its advantages. (5M)	1	L2
13	A) Discuss in detail how packages can be defined, creating and accessed. (5M) B) Explain how to set a CLASSPATH. (5M)	2	L2
OR			
14	A) How interfaces can be extended? Explain. (5M) B) Discuss the various levels of Access protection available for packages and their implications. (5M)	2	L2
15	A) What is an Exception? How is an Exception handled in Java? (5M) B) Distinguish between Checked and Unchecked Exceptions with examples. (5M)	3	L2

	OR		
16	Explain the various ways of creation of thread with examples. (10M)	3	L2
17	A) What is Scanner class? Explain with an example. (5M) B) Explain briefly about Vector class with an example. (5M)	4	L2
	OR		
18	Explain in detail about Comparable interface with an example. (10M)	4	L2
19	What is the significance of layout managers? Discuss briefly about various layout managers. (10M)	5	L2
	OR		
20	A) Discuss in detail about Grid Layout with an example. (5M) B) Develop a java program for passing parameters to applet? (5M)	5	L2