

Regulations - 2020

Duration: 3 Hours			Max. Marks: 100		
	PART - A (10 × 2 = 20 Marks) Answer ALL Questions		Marks ^{K–} CO Level		
1.	What are the different types of polymorphism?	2	KI COI		
2.	List the various operators in Java.	2	KI COI		
3.	Distinguish between class and interface.	2	K2 CO2		
4.	What do you mean by method overriding?	2	KI CO2		
5.	What is the difference between an Interface and an Abstract class?	2	KI CO3		
6.	What is a String and how do you create a String object?	2	KI CO3		
7.	How to create a Buffered Reader object?	2	Kl CO4		
8.	Show the purpose of the finally clause of a try-catch-finally statement.	2	K2 CO4		
9.	What are the states in the life cycle of a thread?	2	K1 CO5		
10.	Define Generic class.	2	K1 CO5		

PART - B $(5 \times 13 = 65 \text{ Marks})$

Answer ALL Questions

- 11. a) Write a program to perform the following functions using classes, ¹³ K² CO1 objects, constructors:-
 - (i). Get as input the marks of 5 students in 5 subjects.

(ii).Calculate the total and average.

(iii).Print the formatted result on the screen.

OR

- b) Explain decision control statements with suitable example programs. 13 K2 CO1
- 12. a) Define inheritance and explain the types of inheritance with suitable ¹³ K2 CO2 examples.

OR

b) How can packages be created in Java? Explain it with suitable ¹³ K² CO² examples.

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13.	a)	Explain about Interfaces in Java with examples.	13	K2	CO3		
OR							
	b)	Explain ArrayLists in detail with examples.	13	K2	СО3		
14.	a)	Write a program with a try and catch keyword for user defined exception with explanation.	13	К2	<i>CO4</i>		
	OR						
	b)	Differentiate byte stream and character stream with necessary examples.	13	К2	<i>CO4</i>		
15.	a)	Explain Thread Priority in detail with suitable examples.	13	K2	CO5		
		OR					
	b)	What is Deamon thread and explain the method to create it with an example.	13	K2	CO5		
PART - C (1 × 15 = 15 Marks)							
16.	a)	Discuss in detail about Java Streams with suitable examples.	15	K2	<i>CO6</i>		

OR

b) Explain Lamda expressions with suitable examples. 15 K2 CO6