		BCA/M-20 1904
	P	ROGRAMMING IN CORE JAVA BCA-366
Tin	ne : Th	ree Hours] [Maximum Marks : 80
No	te: A	ttempt Five questions in all, selecting one question
	fir	om each Unit. Q. No. 1 is compulsory.
		Compulsory Question
1.	(i)	Explain JVM and Java Byte Code. 4
	(ii)	Explain polymorphism, its advantages and types. 4
	(iii)	Explain how to import a package.
	(iv)	Explain component and containers. Also explain
		various types of containers.
		Unit I
2.	(a)	Explain various features of Java. 6
2.	(b)	Explain the concept of switch statement with the
	(0)	help of an example. 10
		nep of an example.
3.	(a)	Explain the concept of console I/O. How many
		ways are there to get information from user and to
		display output in Java ?
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	(b)	Write a program to print the prime numbers between	
		two given numbers. 8	
Unit II			
4.	(a)	Explain static members in detail by using appropriate example. 8	
	(b)	Explain various string operations by using example. ${\bf 8}$	
5.	(a)	Explain Abstract class by using example. What are the characteristics of abstract classes?	
	(b)	Write a program to overload constructors. 8	
		Unit III	
6.	(a)	Explain the purpose of super keyword by using	
		appropriate example. 8	
	(b)	Explain hierarchical inheritance with example. 8	
7.	Also	explain various types of packages. explain various steps to add a class in the user ed package in Java by using example. 16	
Unit IV			
8.	(a)	What is the use of throws keyword In Java? Explain with example.	
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- (b) Explain the concept of Exception handling using Multiple Catch block with example. 8
- **9.** Write short notes on the following:
 - (i) Applet Tag 6
 - (ii) Layout Managers and its types. 10



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