

BHARATIYA VIDYA BHAVAN'S

SARDAR PATEL INSTITUTE OF TECHNOLOGY

MUNSHI NAGAR, ANDHERI (WEST), MUMBAI – 400 058, India (Autonomous College Affiliated to University of Mumbai)

End Semester Examination

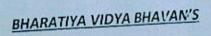
Max. Marks: 100 Class: FY MCA Course Code: MC506 Semester: 11 Date: 24/05/2024 Time: 180 minutes

Subject: JAVA Programming

Instructions: (1) All questions are compulsory.

(2) Assume any necessary data but justify the same.

		Mark	CO	BL
. No.	Questions	S		
		20	COL	L4
Q. 1	Attempt any Five		COL	14
	The transport of the state of t		COI	
В.	Differentiate between OOF and bufferreader Difference between scanner and bufferreader		COI	L4
100000000000000000000000000000000000000	Fill the gaps			
	Yes Yes			
	Same class Ves Ves			
	Same package subceass Ves			
	Some standardic points Ves Ves			
	Afficient publics			
	mbel mis			18.4961
	No No		COI	L2
D.	What is a constructor in Java?		COI	L2
E.	Explain the the IS-A relationship in JAVA	+	COI	L3
F.	What is polymorphism? write with an example?		COI	L2
G.	Write the rules for Rules for abstract class		COI	
Q. 2	Attempt any Four	20		
A	Why use custom exceptions in java? write a User-Defined		CO 2	L4
A	Exception for Validating Login Credentials, assume appropriate			
	data Should we make our exceptions checked or unchecked?			
В	Write a java program with Java SequenceInputStream class used		CO 2	L4
	to read data from multiple streams. It reads data sequentially (one	2		
	by one). It reads the data from two files and writes into another			
	file		00.2	1.2
C	What are the different states in the life cycle of Thread? What if		CO 2	L2
	we call run() method directly instead start() method?		CO 2	L2
D	List and explain Components of JDBC.			1000
E	Differentiate between callable and prepared statements used in		CO 2	L3
la la	JAVA for database connectivity			

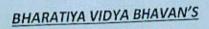




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	(Autonomous College Alfillated to sall an execute		CO 2	L2
T	To execute a query, what are the different ways to call an execute			
	method in java?			
	6 Section W.r.t. Servlet Life cycle	05	CO3	L3
2.3 A	Write the working of following function w.r.t. Servlet Life cycle			
	1. init()			
	2. service()	0.5	CO3	1.4
	3. ddestroy() write a servlet program to implement following output	05	1 603	
Q. 3 B	write a serviet program to impe			
	C Locations 8050/First			
	Name (Astroph)			
	the part of the pa			
	- C tocamost mentions (contact to the contact to th			
	Welcome Abhijit			
			4	
		100		
Q. 3 C	Compare between Context Init parameters Servlet Init parameter	05	CO3	L3
	used in servlet			
Q. 3 E	Which one is preferable Generic servlet and Web servlet in	05	CO3	L2
199	implementing dynamic web pages			
			Le Tingi	Julius .
Q. 4 A	P = 1 1 2 2 2 2 2 3 3 3 3 4 4 4 4 4 4	07	CO4	L2
	following are the paths followed by a JSP -			
0.45	Compilation • Initialization • Execution • Cleanup Write an arrange of the Compilation • Cleanup			
Q. 4 E	The state of the s	06	CO4	L2
Q. 4 C	The state of the s	07	CO4	L3
	Client And Server in JSP	1	N PORT	
	OR	4	100	HE SO
	OR	1		1000
	Write different methods for Deleting Session Data options in JSP			
	S desirent Data options in JSP			





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	(Autonomous 5	10	CO4	L3
Q. 5 A	Comment on "POJO is an object which encapsulates Business Logic" Write the benefits of POJO. List the properties of POJO			
	Class New Wester the importance of	10	CO4	L2
Q. 5 B	Write the importance of Spring. Also Write the importance of JNDI Registry Inversion of Control Dependency Injection			
	OR			
	Comment on "All JavaBeans are POJOs but not all POJOs are JavaBeans". Write different ways to implement the life cycle of a			
	bean			