Semester: II

Date: 03/07/2023

Time: 180 minutes





BHARATIYA VIDYA BHAVAN'S

SARDAR PATEL INSTITUTE OF TECHNOLOGY

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

End Semester Examination

Max. Marks: 100 Class: FY MCA

Course Code: MC506

Subject: JAVA Programming

Instructions: (1) All questions are compulsory.

(2) Assume any necessary data but justify the same.(3) Preferably, write the answers in sequential order.

No. Q. 1 Fill in the blanks A	Q.	Ougstie	,		
A 1 are predefined (already defined) in Java. 2 is used for parsing tokens from the contents of the stream 3 is a process of hiding the implementation details and showing only functionality to the user. 4 in Java is the method to create a hierarchy between classes by inheriting from other classes. 5 in Java is a concept by which we can perform a single action in different ways. Q. I Select the perfect option for the question. 1. Which of these classes contains the methods used to write in a file? a) FileStream b) FileInputStream c) BUfferedOutputStream d) FileBufferStream 2. Which of these values is returned by the read() method if the end of file (EOF) is encountered? a) 0 b) 1 c) -1 d) Null 3. Which of these exceptions is thrown by close() and read() methods? a) IOException	No.		10	СО	BL
	Q. 1 B	 are predefined (already defined) in Java. is used for parsing tokens from the contents of the stream is a process of hiding the implementation details and showing only functionality to the user. in Java is the method to create a hierarchy between classes by inheriting from other classes. in Java is a concept by which we can perform a single action in different ways. Select the perfect option for the question. Which of these classes contains the methods used to write in a file? a) FileStream b) FileInputStream c) BUfferedOutputStream d) FileBufferStream Which of these values is returned by the read() method if the end of file (EOF) is encountered? a) 0 b) 1 c) -1 d) Null 3. Which of these exceptions is thrown by close() and read() methods? 	05	MC50 6.1	L2
c) FileNotFoundException d) FileInputOutputException	ł c	b) FileException c) FileNotFoundException			

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	4. Which of these exceptions is thrown in cases when the file specified for writing is not found?a) IOException			
	b) FileException			
	c) FileNotFoundException			
	d) FileInputException			
	5. Which of these methods are used to read in from file?	-		
	a) get()			
	b) read()			
	c) scan()			
	d) readFileInput()			
Q. 1.	What is the use of following	10	MC50	L2
C	a. super		6.1	K. A. C.
	b. final		0.1	
-	c. this			
	d. close	110		
	e. finally			
	c. imany			
			10	
Q. 2	Attempt any five questions	20	MC50	L2
~ · _	1. What are the different states in the life cycle of Thread?	20	6.2	-
	Can we call the run () method of a Thread class?		0.2	
		77		
	2. what is Default Exception Handling method in java			
	3. write the advantages of throws over throw		10	
	4. Should we make our exceptions checked or unchecked?			
	justify with proper scenario			
	5. write way to select to implement Thread class		-	
	Explain Components of JDBC			
	7. What are the benefits of using packages? Write down the			
	steps in creating a package and using it in a Java program			
	with an example.		3	
	8. List and Explain different types of Resultset. If you do not			
	specify any ResultSet type, what will be default values of			
	the same?			
Q. 3.	What is the importance of JSP considering current technology	05	MC50	L2
Α Α	development? Draw and explain JSP life cycle	5.51	6.3	
Q. 3.	What is Dependency Management in Spring? Explain its features	05	MC50	L2
Q. 3. B	That is Dependency Management in Spring. Explain its features	03	6.4	L2:
	List and Explain AOP Terminologies, Write methods used for	05		10
	List and Explain AOP Terminologies. Write methods used for	05	MC50	L.2
C	Types of Advice		6.4	
Q. 3	Write a Java program having a class TEACHER which contains	05	MC50	L3
D	two fields name and qualification. Extend this class to		6.1	

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	DEPARTMENT containing deptno and deptname. Create an interface COLLEGE containing one filled name_of_college. Use above classes and interfaces to get the appropriate information and display it. OR Write a Java program to create an abstract base class ACCOUNT which has the data member balance, and two methods Deposit () and Withdraw (). Create two more classes SAVING and CURRENT which is inherited from base class ACCOUNT. Write the appropriate the overriding method of it.			
Q. 4 A.	Compare between ServletConfig and ServletContext.	05	MC50 6.3	L2
Q. 4 B.	List and Explain different methods available with servlet processing	05	MC50 6.3	L2
Q. 4 C	Compare between Context Init parameters and Servlet Init parameter	05	MC50 6.3	L2
Q. 4 D	Draw and Explain Life cycle of Servlet. Write the advantages of using servlet over CGI.	05	MC50 6.3	L3
ì	- attiods of the Little	20	MC50 6.1 MC50 6.2 MC50 6.3 MC50 6.4	L5

