Prin	ited	page:	03
STATE OF THE PARTY OF		WHICHES IN MANUFACTS	

Subject Code: AMICSE0302/ACSE0302/ACSEH0302

Roll No: NOIDA INSTITUTE OF ENGINEERING AND TECHNOLOGY, GREATER

(An Autonomous Institute)

Affiliated to Dr. A.P. J. Abdul Kalam Technical University, Uttar Pradesh, Lucknow

Course BTECH/MTech (Int)

Branch:- CSE/IT/AIML/AI/DS/IOT/CSE(R)

Semester-III

Sessional Examination: - 1st Sessional Examination

Subject Name: Object Oriented Techniques using Java

Year- (2022 - 2023)

Time: 1.15Hours

Max. Marks:30

General Instructions:

- > This Question paper consists of 03 pages & 5 questions. It comprises three Sections A, B, &C. You are expected to answer them as directed.
- Section A -Q. No- 1 is of one 1 mark each & Q. No- 2 carries 2 mark each.

> Section B. Q. No. 3 carries 5 marks each.

> Section C · Q.No-4 & 5 carries 6 marks each. Attempt any one part a or b

	SECTION – A All questions are compulsory-		[08Marks] (4×1=4)	
1.				
	a. A class diagram is divided into which of these compartments? i. Name Compartment ii. Attribute compartment iii. Operation compartment iv. All of the above	(1)	CO1	
	b. class Testwhile { public static void main(String[] args) { int x = -5; while (x < 0) { x++; System.out.print(x + " "); }} } What will be the output of the above code? i. 5 4 3 2 1 ii5 -4 -3 -2 -1 iii4 -3 -2 -1 0 iv. None of the above	(1)	CO1	
-	c. Which of the correct syntax to create an object of class in java?	(1)	COI	

iii. classname objectname= new classname(); iii. classname objectname= new classname(); iv. classname objectname= new classname(); d. Which concept of Java is attribute into a class? d. Encapsulation ii. Inheritance iii. Polymorphism iv. Abstraction 2. All questions are compulsory- a. Differentiate between procedural and object oriented programming language. b. Write the code to take 10 integers values from user using loop and print their average value. SECTION - B 1. Answer any two of the following- a. Explain the inheritance with their types. Justify the concept of code reusability in inherence. b. Explain the polymorphism polymorphism in java? c. Explain the command line argument with example. 5. CO1 SECTION - C 1. Answer any one of the following- a. A college has following rules for grading system: a. Below 25 - F b. 25 to 45 - E c. 45 to 50 - D d. 50 to 60 - C e. 60 to 80 - B f. Above 80 - A write the java code Ask user to enter marks and print the corresponding grade.		- II thomas			
d. Which concept of Java is achieved by combining methods and attribute into a class? 4. Encapsulation ii. Inheritance iii. Polymorphism iv. Abstraction 2. All questions are compulsory- a. Differentiate between procedural and object oriented programming (2) CO1 language. b. Write the code to take 10 integers values from user using loop and print their average value. SECTION - B 1. Explain the inheritance with their types. Justify the concept of code reusability in inherence. b. Explain the polymorphism with their types. What is the need of polymorphism in java? c. Explain the command line argument with example. 5. CO1 SECTION - C 1. Explain the command line argument with example. 6. CO2 SECTION - C 1. Answer any one of the following- a. A college has following rules for grading system: a. Below 25 - F b. 25 to 45 - E c. 45 to 50 - D d. 50 to 60 - C e. 60 to 80 - B f. Above 80 - A write the java code Ask user to enter marks and print the corresponding grade.		ii. classname objectname= new() classname(); iii. classname objectname= new classname; iv. classname objectname= new classname();			
a. Differentiate between procedural and object oriented programming language. b. Write the code to take 10 integers values from user using loop and print their average value. SECTION - B [10Marks] 3. Answer any two of the following- a. Explain the inheritance with their types. Justify the concept of code reusability in inherence. b. Explain the polymorphism with their types. What is the need of polymorphism in java? c. Explain the command line argument with example. SECTION - C [12Marks] 4 Answer any one of the following- a. A college has following rules for grading system: a. Below 25 - F b. 25 to 45 - E c. 45 to 50 - D d. 50 to 60 - C e. 60 to 80 - B f. Above 80 - A write the javae code Ask user to enter marks and print the corresponding grade.		d. Which concept of Java is achieved by combining methods and attribute into a class? i. Encapsulation ii. Inheritance iii. Polymorphism	(1)	CO1	
b. Write the code to take 10 integers values from user using loop and print their average value. SECTION - B [10Marks] 3. Answer any two of the following- a. Explain the inheritance with their types. Justify the concept of code reusability in inherence. b. Explain the polymorphism with their types. What is the need of polymorphism in java? c. Explain the command line argument with example. SECTION - C [12Marks] 4 Answer any one of the following- a. A college has following rules for grading system: a. Below 25 - F b. 25 to 45 - E c. 45 to 50 - D d. 50 to 60 - C e. 60 to 80 - B f. Above 80 - A write the java code Ask user to enter marks and print the corresponding grade.	2.	All questions are compulsory-	(2×	2=4)	
SECTION — B [10Marks] 3. Answer any two of the following— a. Explain the inheritance with their types. Justify the concept of code reusability in inherence. b. Explain the polymorphism with their types. What is the need of polymorphism in java? c. Explain the command line argument with example. [5] CO1 SECTION — C [12Marks] 4 Answer any one of the following— a. A college has following rules for grading system: a. Below 25 - F b. 25 to 45 - E c. 45 to 50 - D d. 50 to 60 - C e. 60 to 80 - B f. Above 80 - A write the java code Ask user to enter marks and print the corresponding grade.			(2)	CO1	
3. Answer any two of the following- a. Explain the inheritance with their types. Justify the concept of code reusability in inherence. b. Explain the polymorphism with their types. What is the need of polymorphism in java? c. Explain the command line argument with example. (5) CO1 SECTION - C [12Marks] 4 Answer any one of the following- a. A college has following rules for grading system: a. Below 25 - F b. 25 to 45 - E c. 45 to 50 - D d. 50 to 60 - C e. 60 to 80 - B f. Above 80 - A write the java code Ask user to enter marks and print the corresponding grade.			(2)	CO1	
a. Explain the inheritance with their types. Justify the concept of code reusability in inherence. b. Explain the polymorphism with their types. What is the need of polymorphism in java? c. Explain the command line argument with example. (5) CO1 SECTION - C [12Marks] 4 Answer any one of the following- a. A college has following rules for grading system: a. Below 25 - F b. 25 to 45 - E c. 45 to 50 - D d. 50 to 60 - C e. 60 to 80 - B f. Above 80 - A write the java code Ask user to enter marks and print the corresponding grade.		SECTION - B	[10Marks		
reusability in inherence. b. Explain the polymorphism with their types. What is the need of polymorphism in java? c. Explain the command line argument with example. (5) CO1 SECTION - C [12Marks] 4 Answer any one of the following- a. A college has following rules for grading system: a. Below 25 - F b. 25 to 45 - E c. 45 to 50 - D d. 50 to 60 - C e. 60 to 80 - B f. Above 80 - A write the java code Ask user to enter marks and print the corresponding grade.	3.	Answer any two of the following-		(2×5=10)	
polymorphism in java? c. Explain the command line argument with example. SECTION - C [12Marks] 4 Answer any one of the following- a. A college has following rules for grading system: a. Below 25 - F b. 25 to 45 - E c. 45 to 50 - D d. 50 to 60 - C e. 60 to 80 - B f. Above 80 - A write the java code Ask user to enter marks and print the corresponding grade.			(5)	CO1	
c. Explain the command line argument with example. SECTION - C [12Marks 4 Answer any one of the following- a. A college has following rules for grading system: a. Below 25 - F b. 25 to 45 - E c. 45 to 50 - D d. 50 to 60 - C e. 60 to 80 - B f. Above 80 - A write the java code Ask user to enter marks and print the corresponding grade.			(5)	CO1	
4 Answer any one of the following- a. A college has following rules for grading system: a. Below 25 - F b. 25 to 45 - E c. 45 to 50 - D d. 50 to 60 - C e. 60 to 80 - B f. Above 80 - A write the java code Ask user to enter marks and print the corresponding grade.			(5)	CO1	
a. A college has following rules for grading system: a. Below 25 - F b. 25 to 45 - E c. 45 to 50 - D d. 50 to 60 - C e. 60 to 80 - B f. Above 80 - A write the java code Ask user to enter marks and print the corresponding grade.		SECTION - C	[12N	[arks]	
a. Below 25 - F b. 25 to 45 - E c. 45 to 50 - D d. 50 to 60 - C e. 60 to 80 - B f. Above 80 - A write the java code Ask user to enter marks and print the corresponding grade.	4	Answer any one of the following-	(1×	(6=6)	
I D C 'C 1 'Cl 11 with oh .		a. Below 25 - F b. 25 to 45 - E c. 45 to 50 - D d. 50 to 60 - C e. 60 to 80 - B f. Above 80 - A write the java code Ask user to enter marks and print the	(6)	CO1	
[(0) CO		b. Define if-else-if ladder with short program.	(6)	COI	

-	Subject Code: AMICSE0302/ACSE0302/A	CSE	H0302	
5.	Answer any one of the following.		(1×6=6)	
	a. "Develop a Banking System in which customer can open account. The account has the functionality of deposit, withdraw and get balance. There are two kinds of account; Current Account and Saving Account. Each kind of accounts withdraw in different ways. The account is identified by account number." Draw the class diagram for above statements with their attribute, operation and their relationship.		COI	
	b. Write the short notes on i. Class ii. Object iii. Association iv. Aggregation v. Composition vi. Generalization	(6)	CO1	

END-

Printed page: 02	Subject Code: AMICSE0302/ACSE0302/ACSEH0302			
	Roll No:	ППП		
NOTE INSTITUTE OF ENGINE	CERING AND TECHNOLOGY, GREATE	RNOIDA		
(An	Autonomous Institute)			
Affiliated to Dr. A.P. J. Abdul Kalar	n Technical University, Uttar Pradesh, Luc	know		
Course-B.Tech/MTech(Int)	Branch CSE/II/AIML/AI/DS/IOT/C	SE(R)		
Semester-3	Sessional Examination: 2nd Sessional Exami			
Subject Name: Object Oriente				
Time: 1.15Hours	Max. Marks	:30		
General Instructions:				
This Question paper consists of 2 pages	5. Jquestions. It comprises three Sections -A, B, &C.	You are		
expected to answer them as directed.				
> Section A-Q.No-1 isof one 1 mark				
 Section B-Q. No-3 carries 5 marks Section C-Q. No-4 & 5 carries 6 mark 				
Section C.Q.No.4 & 5 carries 6 mark	searchiempt any one part a vio			
	SECTION - A	[08Marks]		
1. All questions are comp	oulsory-	(4×1=4)		
a. Super keyword in a) Refer immed b) Invoke imme	i java is used to liate parent class instance variables. ediate parent class methods. ediate parent class constructor.	(1) CO2		
. Which of these is	correct way of calling a constructor eters, of superclass A by subclass B?	(1) CO2		
b) It allows to fix	manually handle the exception errors tomatic terminating of the program exception occurs	(1) CO3		
Interfaces, or Abs b) A Package is si Classes	stract Class mply a Directory or Folder with Java ally contains Java Classes written for	(1) CO3		

2.	All	questions are compulsory-	(2×	2=4)
	a.	What are objects? How are they created?	(2)	CO2
	b.	Give a difference between User Defined packages and In built packages.	(2)	CO3
		SECTION - B	[10N	[arks]
3.	An	swer any two of the following-	(2×:	5=10)
	a,	Give a comparison between object and class in detail.	(5)	CO2
	b.	Explain the concept of Abstract Class with program.	(5)	CO2
	c.		(5)	CO3
		a suitable example.		
		SECTION - C	[12N	[arks]
4	An	swer any one of the following-	(1×6=6)	
	a.	Explain the term method overloading with program.	(6)	CO2
	b.	What are the types of exceptions? Explain them.	(6)	CO3
5.	Aı	nswer any one of the following-	(1×6=6)	
	a.	How do you declare an Array in java? Write a program to print the largest element in an array. 24 14 11 75 54	(6)	CO2
	b.	What is a user-defined package? How to create a user-	(6)	CO3
		defined package? Explain with an example?		
		END		