

C.U.SHAH UNIVERSITY

Summer Examination-2020

Subject Name: Programming with Java -I

Subject Code: 4CS03BJV1

Branch: BCA

Semester: 3

Date: 27/02/2020

Time: 02:30 To 05:30

Marks: 70

Instructions:

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
- (2) Instructions written on main answer book are strictly to be obeyed.
- (3) Draw neat diagrams and figures (if necessary) at right places.
- (4) Assume suitable data if needed.

Q-1	Attempt the following questions:	(14)
	a) Write a Full form of JDK.	1
	b) Define: Recursion.	1
	c) Class within a class is known as _____?	1
	d) Which types of inheritance does not support by java?	1
	e) Which keyword is used to inherit one interface to another interface?	1
	f) What is the role of break statement in java?	1
	g) What is the use of javac?	1
	h) The scope of protected access specifier in java.	1
	i) Which class does not allowed to create an object.	1
	j) Define method overriding.	1
	k) Write a full form of AWT.	1
	l) Which keyword is used to call base class constructor.	1
	m) What is the role of Final keyword in java?	1
	n) Write a full form of JVM.	1

Attempt any four questions from Q-2 to Q-8

Q-2	Attempt all questions	(14)
	1 What is class? Explain in detail with example	7
	2 Define operator. Explain types of operator.	7
Q-3	Attempt all questions	(14)
	1 What is constructor? Explain types of constructor.	5
	2 Explain looping statement with example.	5
	3 What is array? Explain in detail	4
Q-4	Attempt all questions	(14)
	1 Explain Features of java in detail.	7
	2 Define inheritance? Explain Types of inheritance in brief.	7
Q-5	Attempt all questions	(14)
	1 What is package? Explain in detail.	5
	2 Write a note on Access specifiers available in java.	5
	3 What is exception? Explain try, catch, finally and throw block.	4
Q-6	Attempt all questions	(14)
	1 Define Applet .Explain Applet lifecycle.	5



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| | 2 | Explain Graphics class in detail. | 5 |
| | 3 | Explain method overriding in java with example. | 4 |
| Q-7 | | Attempt all questions | (14) |
| | 1 | List out Layout Manager and explain any one with example. | 5 |
| | 2 | Explain function overloading with example. | 5 |
| | 3 | Explain Label and button control of awt. | 4 |
| Q-8 | | Attempt all questions | (14) |
| | 1 | Write a program to enter number and print sum of digit. | 7 |
| | 2 | Create an applet with 400*400 and make following pattern | 7 |

