

K16U 1470

Reg. No. :

Name :

V Semester B.Com. (CCSS-Supple./Imp.) Degree Examination, November 2016 Core Course in Commerce 5B12 COM (D – Computer Application) PROGRAMMING IN JAVA (Optional) (2012-13 Admissions)

Time: 2 Hours

Max. Weight: 20

PART-A

This Part consist of **two** bunches of question carrying **equal** weightage of **one**. **Each** bunch consists of **four** objective type questions. Answer **all** questions.

I.	1)	A function that is called automatically each time an object is destroyed is a				
		A) Constructor			B) Destructor	
		C) Destroyer			D) Terminator	
	2)	Which statement accomplishes jump from the current loop ?				
		A) Break	B) Continue		C) Exit	D) Quit
	3)	The members of a class are accessed using the operator				
		A) .	B) :	-27	C) ::	D);
	4)	Which of the tool is used to compile java code ?				
		A) Javac	B) Java	20 	C) exe	D) Run [W=1]
11.	Ev	aluate and match t	he following :			
	5) (4 – 7) * 3 A) 33			33		
	6)	14 % 4	B)	3		settina activity as
	7)	24/7	C)	2		*1
	8)	2+8*3+7	D)	-9		[W=1]

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PART-B

Answer any six question in one or two sentences each. Each question carries a weightage of one.

9. Rewrite the following statements using "switch".

```
if (x = = 1)
```

```
System.out.println("One");
```

else if (x = = 2)

System.out.println("Two");

else if (x = = 3)

System.out.println("Three");

else if (x = = 4)

System.out.println("Four");

else if (x = = 5)

System.out.println("Five");

10. What are the rules for forming variable names in JAVA ?

11. What is the main difference between Java platform and other platforms ?

12. What are access modifiers ?

13. What is the difference between while and do while loop ?

14. State the difference between a class and an object.

15. List the advantages of object oriented programming.

16. Give an example of an infinite loop.

 $(W = 6 \times 1 = 6)$

PART-C

Answer any four questions. Answer not to exceed one page. Each carries a weightage of two.

17. Give the output

int a, k = 24 ; for (a = 2 ; a < = k/2 ; a + = 3) if (k%a == 0) System.out.println (a++) ; k++ ; System.out.println (k+ ":\t" + a) ;

18. Explain the difference between private, public and protected access.

- 19. Explain the effect of modifier "final" while defining a class.
- 20. Explain the various increment, decrement and shorthand operators in JAVA.
- 21. Define a class "library" with data members Book No, Book Name, Author's Name, Publisher name and methods to accept and display the data.
- 22. Write a program to find the biggest element in an array of 10 elements.

 $(W = 4 \times 2 = 8)$

PART-D

Answer any one. Each question carries a weightage of four.

- 23. List and explain the various decision making, branching and looping statements available in JAVA programming language.
- 24. a) What is the use of a constructor ?
 - b) Explain the various types of constructors with the help of an example.

 $(W = 1 \times 4 = 4)$