I TERM EXAMINATION: 2015-2016

Class - IX

Time: 2 hr.

Subject - Computer Application

M.M.: 100

Answers to this paper must be written on the paper provided separately. You will not be allowed to write during the first 15 minutes. This time is to be spent in reading the question paper.

The time given at the head of this paper is the time allowed to write the answers.

This paper is divided into TWO sections.

Answer ALL the questions in Section A and any FOUR questions from Section B. The intended marks for questions or parts are given in [].

SECTION - A [40 MARKS]

Attempt ALL questions from this section.

Q.1-	a. b.	Explain the term TOKENS and its types.	[2] [2] [2]
	c.	What is meant by precederice of operators?	[2]
	d.	Define keywords with example.	[2]
	e.	What is variable?	[2]
Q.2-	a.	What is the significance of main() in JAVA?	[2]
	b.	What is datatype conversion? Explain its types.	[2]
	c.	What is the use and symax in ternary operator.	[2]
	d.	State the difference between = and = = operator.	[2]
	e.	What is the size of int and char datatype?	[2]
Q.3-	a.	Give the output of following expressions:-	[-]
		i. If $x = 50$, $y = 40$	
		x+ = y *8 / x++ + y	
		ii. If $x = 6$	
N.		x = ++x * ++x % 4	[2]
	b.	Write down the suitable datatype of following:-	[4]
		i. Integer number	
		ii. A fractional number	[2]
	c.		[-]
		if(sales > 1000000)	
		incentives = 2000;	
		else	
		incentives = 1000;	[2]
	d.	Write the difference between switch statement and if-else statement.	[3]
	e.	Correct the errors of the given program segment:-	1-1
		Class Prog1	
		publicstatic void main(String args())	
		A Print out American statement and a second statement of the service statement and a second s	
		int $a = 45.5$;	
		Here $a = 70$, $a = 65$;	
		sum = a + b $subject = hibbone = hibbne = hibbne$	
		diff = c - b;	
		system.out.println(sum, diff)	
		The Lat A Lat Street at the Late of the Control of the Late of the	
		What are the values of x and y, when the following statements are executed?	[2]
	f	What are the values of x and y, when the following statements are	

int a = 63; b = 36;

1 -1--- - (a > b) 2 true · false.

g	Write the JAVA expression for following.	[2]
	$(a+b)^n$	
	a. $\frac{(a+b)^n}{\sqrt{2}+b}$	Time
	Answers to this paper must so written on the paper pro- the separated	
	b. $f = \frac{uv}{(u+v)}$	
h	What is the default value of following data type?	[3]
	i. int	
	ii. float	
	iii. boolean	
	SECTION - B [60 MARKS]	
	Attempt any FOUR questions from this Section.	
Eacl	rogram should be written using variable description/mnemonic codes suc	th that
	the logic of the program is clearly depicted.	
	Flow charts and algorithms are not required.	
Q.4- a	Distinguish between application software and system software.	[5]
b	What are icons? Describe any 3 commonly used icons.	[5]
C	What do you understand by a computer network? Write any 2 advantage	
	of it?	[5]
Q.5- a	What is cloud computing? Explain briefly.	[5]
b	Mention the steps required to protect your computer from virus attack.	[5]
С	i. What do you understand by Computer Ethics?ii. Define the term Hacking.	[0]
06- V	ite a program in which you store the employee name and basic salary.	
	culate HRA @ 15 % of basic salary, DA @ 70 % of basic salary, TA @ 2 % of	
	ic salary, PF @ 10 % of basic salary and	
n	salary = basic + HRA + DA + TA - PF.	[15]
Q.7- A	loth showroom has announced the following festival discount on purchas	e
O	tems based on the total cost of items purchased:	[15]
	Cotal Cost Discount	
	s than 2000 5 %	
	001 - 5000 25 % 001 - 10,000 35 %	
	ove 10,000 50 %	
	ite a program to input the total cost and display the amount to be paid by	
	customer after availing the discount.	
Q.8- a	Write a program to find the greatest of two numbers using the ternary	
	operator.	[7]
l	Write a program that accepts the value from the user, and check whether	
	is character, digit or a special character.	[8]
	rite a program using SWITCH-CASE to accept a number from the user and	
	nt the corresponding name of the week day.	[15]
	r Eg. 1 for SUNDAY and so on.	