St. Thomas' School, Sunari, Agra Half-yearly Examination (2024-2025) **Class: IX Subject: Computer Applications Specimen Paper**

MM: 80

M. Time: 2 hours

Name: _____

Roll no.: _____ Maximum marks: 80 Time allowed: Two hours 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 reading the question paper. The time given at the head of this paper is the time allowed for writing the answers. This paper is divided into **two** sections. Attempt all questions from section A and any four questions from section B. The intended marks for questions or parts of questions are given in brackets []. **SECTION-A** (Attempt all questions from this Section.) [20] Question 1: Choose the correct answer and write the correct option. (i) An/A _____ has unique identity through which it may differ with some characteristics and behaviour: (a) Class (c) Object (b) Data (d) Function (ii) Procedure Oriented Programming mainly uses (a) Top-down approach (c) Top-down and bottom-up approach (b) Bottom-up approach (d) None (iii) Which of the following is not a high-level language? (a) JAVA (c) C++ (b) Python (d) Binary (iv) The words which are preserved with the system are called ______ words that cannot be used as variable names in Java programming. (a) Keywords/reserved (c) Identifier (b) Object (d) Statement (v) Which of the following is primitive data? (a) char (c) short (d) All of these (b) long (vi) A constant which gives the exact representation of data is called: (a) Variable (c) Identifier (b) Literal (d) Character (vii) Find the output of following snippet: double c; int a, b, d; a = 10; b = 15; d = 12; c = a*b%d/2;System.out.print(c); (a) 65.0 (b) 65.5

(c) 65	(d) None of these
(viii) What will be the output of a & b in the following, if int a, b; a(a) 100,100	(c) 101,100
(b) 100,101	(d) 101,101
(0) 100,101	(0) 101,101
(ix) JRE stands for	
(a) Java Runtime Environment	(c) Java Document Kit
(b) Java Data Kit	(d) Java Disc Ki
(x) Which of the following is not a java built-in package?	
(a) lang	(c) io
(b) util	(d) tab
(xi) Which of the following is a member operator?	
(a) *	(c) &
(b) .	(d) ?
(xii) The statement x += 15; is equal to	
(a) x = 15*;	(c) x =1 5;
(b) x = x*15;	(d) x = x+15;
(xiii) The operator && is called operator.	
(a) binary	(c) logical AND
(b) relational	(d) logical OR
(xiv) Which of the following are Multi line comments?	
(a) /*comment*/	(c) both a and b
(b) //comment	(d) /*comment
(xv) A program that translates code written in a high-level lar	
(a) Compiler	(c) Linker
(b) Secure	(d) All of these
(xvi) Name the method to accept data in sentence form:	
(a) next()	(c) nextShort()
(b) nextLine()	(d) nextByte()
(xvii) Which of the following having the highest order of data	
(a) int	(c) double
(b) long	(d) float
(xviii) What will be the output of the following syntax?	
Int $n = 20$;	
lnt n = 20, lnt m = n++%5;	
mem = m + 765,	
(a) m=0, n=21	(c) m=0, n=22
(a) $m=0, m=21$ (b) $m=1, n=20$	(d) m=4, n=20
(xix) Which keyword used to call a package in java.	(u) 111-4, 11-20
	(c) countor
(a) Input	(c) counter (d) import
(b) Println	(d) import
(xx) Which one of the following is a <i>logical not</i> operator in Ja	
(a) <= (b) !	(c) & (d) ==
Question 2:	
(i) Differentiate between the implicit and explicit conversion	with an example. [2]
(ii) What is a compound statement? Give an example.	[2]
(iii) Explain the member operator. Give an example.	[2]
(iv) What is the result of evaluating the following expression?	?

(1 + 2 * 2) / 2 + 2	[2]
(v) Class and object are inter-related. Explain.	[2]
(vi) Evaluate the following expression if the value of x = 5, y = 4, z = 2:	[2]
S = x +z + y ++ +y	
(vii) What is the use and syntax of a ternary operator?	[2]
(viii) Write one difference between / and % operators with an example.	[2]
(ix) Observe the following code segments carefully and predict the data type of 's' and '	't': [2]
a. int p; double q; b. float m;	
s = p - q;t = m*3/4.5;	
System.out.println(s); System.out.println(t);	
(x) Give the output of the following code:	[2]
int i = 1, j = 3;	
j = i;	
System.out.println("i ="+ i);	
System.out.println("j ="+ j);	
SECTION-B	
SECTION-R	
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Note: This specimen paper is provided as an example of the format and type of questions that may appear on the half yearly exam (2024-25). It is intended to help students familiarize themselves with the structure and expectations of the exam.