

**Half-Yearly Examination -2020**  
**Class –IX**  
**Computer Application**

**Time : 2 Hrs.**

**M.M:100**

Note : Answer 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 . This paper is divided into two Sections. Section A and b. you are to answer to all the question s from section A and four questions form Section B.

The intended marks for questions or parts of questions are given below in brackets.

**SECTION – A**

**(40 Marks)**

1. Answer all questions: (10)
  - a) What is identifier in java?
  - b) Define about the pure expression.
  - c) What is literal in java? Types of literals.
  - d) Write the name of any two system defined class.
  - e) What is a class?
  
2. Answer all the questions: (10)
  - a) Explain about Scanner class?
  - b) With a real word example explain what are objects in OOP.
  - c) What is attributes and behavior?
  - d) What is class variable ?
  - e) What is Token?
  
3. Answer all the questions: (10)
  - a) What are real constants?
  - b) Define about type conversion?
  - c) What is primitive data types?
  - d) What is operator in java?
  - e) What is shorthand assignment operator?
  
4. Find the value of 'c' if a=15, b=7 (4)  
c= a++ - --b \* ++a  
c= --a / ++b + --a
  
5.
  - a) What is a package? (6)
  - b) What is nextInt() and nextDouble function?
  - c) Write code to import all the classes present in school.imp package.

## SECTION - B

(60 Marks)

Answer any four questions from this Section. Each question carries equal marks.

1.     a)     What is error? Explain all types of errors.  
       b)     Define all types of primitive data types.
2.     Define about following:  
       a) packages   b) selection statement   c) ternary operator  
       d) Switch case         e) prefix and postfix
3.     Accept no. of km. traveled by a person and calculate charges on the basis of the following:  
       for first 20 km. charges Rs. 10 per km.  
       for next 20 km charges Rs. 12 per km.  
       for next 40 km. charges Rs. 15 per km.  
       above that         charges Rs. 20 per km.
4.     Accept three numbers from user and print the highest no. among three numbers.
5.     Declare a letter and print a message whether it is a capital or small or number type or a special type letter.
6.     a) What is programming paradigm? Write the difference between  
          procedure oriented and object oriented programming language.  
       b) what is comment in java ? explain all types of comments.