**Question No-1**

**public** **class** Question\_1 {

//Write a program that demonstrates widening conversion from int to double and prints the result.

**public** **static** **void** main(String[] args) {

**int** a=10;

//Conversion of int to double data type using valueOf() method

Double b = Double.*valueOf*(a);

System.***out***.println(b);

}

}

Question No-2

**public** **class** Question\_2 {

//) Create a program that demonstrates narrowing conversion from double to int and prints the result.

**public** **static** **void** main(String[] args) {

**double** d=10.5;

**int** i=(**int**) d;

System.***out***.println(i);

}

}

Question-3

**public** **class** Question\_3 {

/\*//Write a program that performs arithmetic operations involving different data types (int, double, float) and

observes how Java handles widening conversions automatically.\*/

**public** **static** **void** main(String[] args) {

**int** a=10;

**double** b=12.5;

**float** c=14.3f;

//int+float=float

**float** result=a+c;

System.***out***.println(result);

//int+double=double

**double** result1=a+b;

System.***out***.println(result1);

//float+double=double

**double** result2=14.3f+12.5;

System.***out***.println(result2);

//int + float + double=double

**double** result3=a+c+b;

System.***out***.println(result3);

}

}

Question No-4

**public** **class** Question\_4 {

**public** **static** **void** main(String[] args) {

/\*

\* Write a Program that demonstrates widening conversion from int to

\* (double,float, boolean, string) and prints the result.

\*/

**int** a = 10;

**double** d = a;

System.***out***.println(d);

**float** f = a;

System.***out***.println(f);

String string = String.*valueOf*(a);

System.***out***.println(string);

}

}