



Worksheet



Name:		
Roll No:	Class:	Section:
Date:		

(ii) implements

(iv) none of these

ENCAPSULATION AND INHERITANCE

Chapter-14

1.	Tick	(√)	(√) the correct option.					
	(a)	The	e class that is being inherited or subclassed is called					
		(i)	Subclass		(ii)	Superclass		
		(iii)	Inheritance		(iv)	None of the above		
	(b)	Java language supports type of inheritance						
		(i)	Multiple Inheritance		(ii)	Multi-Level Inheritance		
		(iii)	Single inheritance		(iv)	Hybrid inheritance		
	(c)	In a	n a Multi-Level Inheritance in Java, the last subclass inherits methods and properties of					
			•••••••••••••••••••••••••••••••••••••••					
		(i)	Only one immediate Superclass		(ii)	Few classes above it		
		(iii)	All classes above it		(iv)	none of these		
	(d)	When a Class inherits two superclasses (not in Java), it is called inheritance.				e.		
		(i)	Multilevel		(ii)	Single Inheritance		
		(iii)	Multiple Inheritance		(iv)	Hierarchical inheritance		

2. Write a program by using a class with the following specifications.

(e) Which is the keyword used to implement inheritance in Java?

(a) Class name — prime_number

Data members — int num

Member functions:

(i) extends

(iii) instance of

- 1. void input() to input a number
- 2. void isprime() to check and display whether the number is prime or not

Use the main function to create an object and call member methods of the class.

(b) **Class name** — Factorial

Data members —int num

Member functions:

- 1. void input() to input a number
- 2. void fact() to find and print the factorial of the number

Use the main function to create an object and call member methods of the class.

