Assignment 1 OI. What dre the different types of programming languages?

1. Therefore there are three types of programming languages: (i) Assembly Language
(ii) Machine Sanguage or Low Level Language
(iii) High Level Language O2. What is the difference between OOPs and POP?
2. OOPs In POP, program is divided · In OOP program is divided into parts called objects. o · OOPs provide Data Hiding Pr into small parts called functions. Pop does not have any proper way for hiding data so it is less secure. so provides more security. · OOP's main focus is on data security.

It follows bottom-up approach. The main focus of POP is on to get the task done? It follows top-down approach Examples are: C, VB, Pascal edc. Examples are: C++, Java etc. 3. The four OP's concepts? · Abstraction O · REDMINISTES CO. AL PULL DOCAMERA

· Eneapsulation Of Deline Encapsulation?

4. The wrapping up (of clasa and its associated function data member) unto a single unit (called day)

is known as Encapsulation.

The maning of Encapsulation, is to make sure

That sensitive data is hidden from users. Os. Differentiate between Inheritance and Abstraction?

5. The act of prepresenting essential features of an object wishout knowing the background and details is known as Abstraction Inheriterie is the ability of an object to arguine the properties of another class. Obsert is an Object and Class in Gava?

6. In object is the name raf any person place,
Things or entity. Every object has the following
inbuilt characteristics: Identity, so tate and Behavious,
whereas a class is user defined blueprint or
prototype from which objects are related. Classes and Objects are basic concepts cof Object Oriented Programming which viewolve around the real life ontities. FED Why OTE Sobject is called on instance of the

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J. 08. 8.	A class is a structure of an object, meaning all the necessary clements and of the class care present in the object, that's why it is also known as instance of class. What are Variables and Keywords?
	what are comments? Comments are fext notes calcled to the program to provide explantion information about the source code.
•	These we of stop types:- Single line comments:- The comments in single line are called single line comments. Multi line comments:- The comments in multi lines are called nulti line comments.
	What is Java and what are ist features? Jova is a high level programming language originally dweloped by Sun Microsystems and released in 1995. Teatures of Java are:-
•0 CV	Platform Independent REDMINOTE 8 AI QUAD CAMERA

· Secure · Robust Multithreaded Interpreted · High Performance · Distributed · Dynamic OII. Define Bytecode and JVM.

11. Java bytecode is the instruction set for the Java Viotual Machine. As soon as a gava program is compiled, sava bytecode is generated.

JVM (Java Viotual Machine) is an abstract machine. It is a specification that brouides runtime environment in which Java bytecode can be executed. O12 What are exceptions? Explain its object?

12. The venexpected situation which occurs during the exception of the program is called exception or There care three edypes of exceptions:is Compile time error. The error which voccurs during the compilation of the program, is walled the compile time orror. (i) Semantic orror - The error which coccurs when we usue some meaningless statements is called semantic error. It is of two types:
OREDELIGIETES Croor
Run - Time error

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a base class and derived class? OB What O14. Why class is known as object factory?

14. A class is also known as object factory

because the class is pasically an object maker. Os. Write a program so print your name, age and your city in different lines? Class Example Public static void main (String [] args) System. out. println ("My name is Dev");
System. out. println ("My age is 16");
System. out. println ("My city is Thansi");

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