

Theory Questions (Computer)

class - x

1. Differentiate

i) Static and Non-Static variable

Static variable

- Memory is allocated for these variables at the time of loading of the class.
- They can be accessed with class reference

Non-Static variable

- Memory is allocated for these variables when ever an object is created.
- They can access with object reference

ii) Static and Non-Static method

Static method

- Accessed using the class name
- Can only directly access static member

Non-Static method

- Accessed using an instance of the class
- Can directly access both static and non static member.

iii) instance variable and local variable

instance variable	local variable
<ul style="list-style-type: none">Declared outside the method, directly invoked by the method	<ul style="list-style-type: none">Declared within the method
<ul style="list-style-type: none">Has a default value	<ul style="list-style-type: none">does not have a default value

Q2. How does 2 functions differentiate each other in the concept of function overloading

ans. In the concept of function overloading, the function signature of the two or more overloaded functions are different.

Q3. In function overloading which OOP concept is used

ans. Polymorphism