

* Ch-1

What is Bytecode / Java's Magic.
Java Buzzwords.

* Ch-2

Java type conversion and casting.

* Ch-3

Bitwise logical operators & short circuit logical oper.

* Ch-4

Explain class-object mechanism.

- Difference between method & constructor.
- What is constructor overloading
- Explain use of 'this' keyword.
- What is garbage collection in Java.
- What is finalize method?

* Ch-5

Difference betⁿ method overloading & overwriting.

Static polymorphism & Dynamic polymorphism
Runtime & Compile-time polymorphism.

- Explain Access control in Java (Private, Public, No modifier)
- Use of 'static' keyword
- Use of 'final' keyword
- Explain nested class, inner class & Anonymous inner class.

* Imp

What is String toString(); method in Java.

* Ch-6

Explain Inheritance with all types.

- Use of 'super' keyword.
- Explain Dynamic Method Dispatch
- What is Abstract class, explain using example.
- What are packages, how to use it?
- What is static import?
- Explain Access protection in packages (Table in ref. book).

* Interface

- What is interface. Diff. bet^m abstract class & interface

* - What is exception handling? (5m → 5 keywords)
Explain it using five keywords

- Difference bet^m checked & unchecked exceptions,
- Difference bet^m throw & throws.
- What is chained exception?

* Ch-11

- Explain thread lifecycle.
- Why main thread is important in Java.
- Explain isAlive & Join method.
- Explain Interprocess Communication (IPC). (wait, notify, notifyAll)
- " Thread priorities.