Q6) describe architecture of JVM. coss dogges Heap Istack Proegister Closs Native Methodstack Engine method I nethod I nethod Libbaries CJOYS JOODON -> - woods aloss files into memory It is sespensiable fox finding & deading ruless files from folk 3417 tm, network & ather sources & then convecting them into binary toam

Runtime Data Para This is a sea where dota structure used by Jung are allocated. It consides of several components. - Method arra-> bytecode, field & method into smotion, coo egot pool & Static Vasiables. - Hegp > Here objects are created by Java programare addocated. Lit's the zurtime managed by gartage country for memory management. Stack -> which stored in application has its own stack; which stored method invocations & Jocal Various It's Just-in, First-out (LIFO) data structure Bediston-> Each thread has its own Program counter (PC) orgister, which holds address of arrendy executing instauction.

Native Method stack-7

It's used for native method execution (methods

weitten in language other than Jara).

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Execution Engine-

It executes Java byterate. It has 2 composes

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Pooding notive machine code instructions.
It's postable but revolvery slow

- Just - In-Time (JIT) compiles -7

- JIT compiles forguently executed bytecode into potive machine code of knotime, optimizing extensional compiled code is then cached not to ture with which will code is then cached

Mative method softetare (JNS)
It emphase some code to earl & be caused by pative applications & libraries whiteir in other languages. It bridge between Java trotime & notive code.

Notive method Librariel These contains native methods that provide functionality beyond I BE.