Q 1 lambda expression :- it allow you to write more succinct code in your

$(a, b) \Rightarrow a + b$ is a lambda expression

Ans 2 yes we can pass lambda expression to a method provided it is expecting a functional interface. If a method is accepting a Runnable, Comparable or comparator then all these are functional interface

Ans 3 A interface which have one abstract method is called functional interface. There are many more several predefined functional interfaces introduced in JDK on java.util.function package.

Ans 4 It is easier to pass a code block to a method earlier, the only way to do this was wrapping the code into an anonymous class

Ans 5 No it is not necessary for a lambda expression to have a parameter. you can define a lambda expression without parameters as shown below.

() -> System.out.Println(...) lambda without. you can pass this code to any method which accept a functional interface