Ise Paper

Q1) a) when the value of the variable is not assign then there is a error of variable might not have been initialized.

b) In String methods We can use contains and equals alternative from the charAt() method to determine if it belongs to the IT department.

Q2) a) static keywords are heavily used in Java is to efficiently manage memory. The static member will be shared among all instances of the class, so we will only create one instance of it.

b)output of the line 6 is null because it print the default value of the string.

Output of the line 8 is -24

Here bit = 2^8 = 256 so,

2024 % 256 = 232

232-256 = -24

(byte)2024 = -24