ANSWERS

ISE 1:

Question 1:

a.

When we try to access a variable which is not declared we get that error.

b.

We can check if "bit" is in the given registration number or not by: public java.lang.String substring(int, int); public boolean regionMatches(int, java.lang.String, int, int);

Question 2:

a.Static:

it is keyword it showcases that the variable, method belong to class. it shows class variables.

b.

amey-medewar@amey-medewar-1-0:~/Desktop\$ java ISE null

-24

The default value for the String type is null.

The Integer overflows here when we try to store int to byte it overflows and we get -24 from it.

MIDTERM

```
jshell> Integer y=10
y ==> 10
jshell> String s="sggs"
s ==> "sggs"
Question 1:
a.
jshell> Integer.rotateLeft(y,3)
$3 ==> 80
b.
jshell> s==(String)"sggs"
$4 ==> true
c.
jshell > y+(y=17)
$5 ==> 27
d.
jshell> y=Integer(25)
Error:
 cannot find symbol
     symbol: method Integer(int)
y=Integer(25)
     ^____^
```

```
e.
jshell> (short)9042024
$6 ==> -1944

Question 2:

2.
jshell> String k="amey
| Error:
| unclosed string literal
| String k="amey
| ^

3.
jshell> s[1]
| Error:
| array required, but java.lang.String found
| s[1]
| ^--^
```

Question 3:

We can implement a java code without main method using following command .

javac --release 21 --enable-preview filename.java the command is available for trial purpose.

```
Question 4:
1.
amey-medewar@amey-medewar-1-0:~/Desktop$ javac
mid paper Q4a.java
mid paper Q4a.java:1: error: class MidTerm is public, should be
declared in a file named MidTerm.java
public class MidTerm{
mid paper Q4a.java:3: error: recursive constructor invocation
 this(5);
 Λ
2 errors
2.
amey-medewar@amey-medewar-1-0:~/Desktop$ java
mid paper Q4a.java
Examination Mid
3.
amey-medewar@amey-medewar-1-0:~/Desktop$ java
mid paper Q4a.java
Exception in thread "main" java.lang.StackOverflowError
  at Question4.<init>(mid_paper_Q4a.java:2)
4.
amey-medewar@amey-medewar-1-0:~/Desktop$ java MidTerm
static Block 1:EXAM
static Block 2:EXAM
```

static Block 1:Midterm static Block 2:Midterm

INIT Block :Exam EXAM Constructor

INIT Block: MidTerm

Midterm Constructor

MidTerm

Question 5:

objects created:

- 1.String str1="mid";
- 2.String str2=new String("Term");
- 3.String str2=new String("Term");





