**Flowchart and control paths for the following code:**

short OLD\_AGE = 45; //constant

//read in name

Scanner stdin = new Scanner(System.in);

System.out.print(“Please enter your name”);

String name = stdin.nextLine();

//output statement based on name

if(name.equals(“Sharon”))

System.out.println(“Hey, that’s my sister’s name!”);

else if(name.compareTo(“Megan”) < 0)

System.out.println(“Cool name.”);

else

System.out.println(“Awesome name”);

//read in age

System.out.println(“Please enter your age”);

short age = stdin.nextShort();

//output statement based on age

if(age > OLD\_AGE)

System.out.print(“Wow, you are old”);