

**QUIZ-I MTH409 Name:**

1. What will the following program output? Ans:

```
#include <stdio.h>
main()
{
    printf("The black dog was big. ");
    printf("The cow jumped over the moon.\n");
}
```

2. What is the output of the following program? Ans:

```
#include <stdio.h>
main()
{
    int value1, value2, sum;
    value1 = 35;
    value2 = 18;
    sum = value1 + value2;
    printf("The sum of %d and %d is %d\n", value1, value2, sum);
}
```

3. Why are the variables in the following list invalid,

value\$sum	Ans:
exit flag	Ans:
3lotsofmoney	Ans:
char	Ans:

4. a. Declare an integer called sum Ans:

b. Declare a character called letter Ans:

c. Define a constant called TRUE which has a value of 1 Ans:

d. Declare a variable called money which can be used to hold currency Ans:

e. Declare a variable called arctan which will hold scientific notation values (+e) Ans:

f. Declare an integer variable called total and initialise it to zero. Ans:

g. Declare a variable called loop, which can hold an integer value. Ans:

h. Define a constant called GST with a value of .125 Ans:

5. a. Assign the value of the variable number1 to the variable total

Ans:

b. Assign the sum of the two variables loop\_count and petrol\_cost to the variable sum

Ans:

c. Divide the variable total by the value 10 and leave the result in the variable discount

Ans:

d. Assign the character W to the char variable letter

Ans:

e. Assign the result of dividing the integer variable sum by 3 into the float variable

costing. Use type casting to ensure that the quotient is a float variable. (e.g.  $4/3=1.333...$ )

Ans: