QUESTION BANK
MODULE NAME: C

Category - Simple

1) Fill in the Blank with single option:

_____ enable us to change the flow of the program.

- ☐ **a)** Pseudo code
- ☐ **b)** Algorithm
- ☑ **c)** Conditional statements
- ☐ **d)** Flowchart

2) Select the correct answer with single option:
Which of the following type specifies that a variable can take only positive values?

- ☐ **a)** signed
- ☐ **b)** abs
- ☑ **c)** unsigned
- ☐ **d)** positive

3) Select the correct answer with single option:
Identify the operator that acts only on integers and results in remainder after integer division.

- ☑ **a)** %
- ☐ **b)** /
- ☐ **c)** \
- ☐ **d)** *

4) Fill in the Blank with single option:
The names of variables, functions, labels, and various other user-defined objects are called _____.

- ☐ **a)** Specifier

- [x] **b)** Identifier
- [ ] **c)** Naming convention
- [ ] **d)** Variables

5) Select the correct answer with single option:

Which of the following is a section of code in a program that is executed repeatedly, until a specific condition is satisfied?

- [x] **a)** loop
- [ ] **b)** variable
- [ ] **c)** return type
- [ ] **d)** data type

Category - Average

1) Select the correct answer with single option:
Which of the following statement causes the next iteration of the enclosing loop to being?

- [x] **a)** continue
- [ ] **b)** break
- [ ] **c)** while
- [ ] **d)** do while

2) Select the correct answer with single option:
Which of the following option provides a way of accessing a variable without referring to the variable directly?

- [ ] **a)** Structure
- [ ] **b)** Array
- [ ] **c)** Class
- [x] **d)** Pointer

3) Select the correct answer with single option:
Identify the specifier that can be applied to a storage class.

- [ ] **a)** auto
- [ ] **b)** static
- [x] **c)** register
- [ ] **d)** extern

4) Select the correct answer with single option:
Which of the following statement is a multi-way decision maker that tests the value of an expression against a list of integer or character constants?

- [ ] **a)** constants
- [ ] **b)** variables
- [ ] **c)** expressions
- [x] **d)** switch

5) Select the correct answer with single option:
Which of the following can define a new data type?

- [ ] **a)** struct
- [x] **b)** typedef
- [ ] **c)** new operator
- [ ] **d)** None of the above

Category – Difficult

1) Select the correct answer with single option:
Which of the following is correct syntax of fopen() function?

- [x] **a)** `FILE *fopen(const char *filename, const char *mode);`
- [ ] **b)** `FILE *fopen(const char *mode , const char *filename);`
- [ ] **c)** `FILE *fopen(const struct *filename, const char *mode);`
- [ ] **d)** `*fopen(const struct *filename, const char mode);`

2) Select the correct answer with single option:
Which of the following is the correct code for displaying even and odd numbers?

☑ **a)**
```
BEGIN INPUT num r=num MOD 2 IF r=0
DISPLAY "Even Number" ELSE
DISPLAY "Odd Number" END IF END
```

☐ **b)**
```
BEGIN INPUT num r=num AND 3 IF r=0
DISPLAY "Even Number" ELSE
DISPLAY "Odd Number" END IF END
```

☐ **c)**
```
BEGIN INPUT num r=num MOD 1 IF r=0
DISPLAY "Even Number" ELSE
DISPLAY "Odd Number" END IF END
```

☐ **d)**
```
BEGIN INPUT num r=num MOD 5 IF r=0
DISPLAY "Even Number" ELSE
DISPLAY "Odd Number" END IF END
```

3) Select the correct answer with single option:
Identify the correct output from the following code.

```
#include<stdio.h>
main()
{
int x,y;
x = 5;
y = 2;
printf("The integers are : %d & %d\n", x, y);
printf("The addition gives : %d\n", x+y);
printf("The subtraction gives : %d\n", x-y);
printf("The multiplication gives : %d\n", x*y);
printf("The division gives : %d\n", x/y);
printf("The modulus gives : %d\n", x%y);
getchar();
}
```

☐ **a)**
```
The integers are : 6 & 2
The addition gives : 5
The subtraction gives : 1
The multiplication gives : 0
The division gives : 2
The modulus gives : 0
```

☐ **b)**
```
The integers are : 5 & 2
The addition gives : 6
The subtraction gives : 2
The multiplication gives : 11
The division gives : 1
The modulus gives : 0
```

☐ **c)**
```
The integers are : 2 & 5
The addition gives : 6
The subtraction gives : 2
The multiplication gives : 0
The division gives : 1
The modulus gives : 2
```

☑ **d)**
```
The integers are : 5 & 2
The addition gives : 7
The subtraction gives : 3
The multiplication gives : 10
The division gives : 2
The modulus gives : 1
```

4) Select the correct answer with single option:

Identify the correct output from the following code.

```
#include <stdio.h>
#include <conio.h>
void main()
{
clrscr();
printf("40/17*13/3 = %d",40/17*13/3);
printf("\n\n40/17*13/3.0 = %lf",40/17*13/3.0);
printf("\n\n40/17*13.0/3 = %lf",40/17*13.0/3);
printf("\n\n40/17.0*13/3 = %lf",40/17.0*13/3);
}
```

☐ **a)**
```
40/17*13/3 = 9
40/17*13/3.0 = 9.666667
40/17*13.0/3 = 9.666667
40/17.0*13/3 = 11.196078
```

☐ **b)**
```
40/17*13/3 = 7
40/17*13/3.0 = 7.666667
40/17*13.0/3 = 7.666667
40/17.0*13/3 = 9.196078
```

☑ **c)**
```
40/17*13/3 = 8
40/17*13/3.0 = 8.666667
40/17*13.0/3 = 8.666667
40/17.0*13/3 = 10.196078
```

☐ **d)**
```
40/17*13/3 = 10
40/17*13/3.0 = 10.666667
40/17*13.0/3 = 10.666667
40/17.0*13/3 = 11.196078
```

5) Select the correct answer with single option:

Identify the correct output from the following code.

```
#include <stdio.h>
#include <conio.h>
void main()
{
clrscr();
printf("Result=%d",(4-2*9/6<=3&&(10*2/4-3>3||(1<5&&8>10))));
}
```

☑ **a)** 0

☐ **b)** 1

☐ **c)** 2

☐ **d)** 3