GLS UNIVERSITY

Faculty of Computer Applications & Information Technology

INTEGRATED Msc(IT)

SEM I – PROBLEM SOLVING WITH PROGRAMMING

Theory Assignment – Unit III

Q-1	**Fill in the Blanks:**
1.	_____statement(block) is executed when the condition is true.
2.	_____statement cannot be used without if.
3.	_____statement terminates the particular block.
4.	The switch statement requires only one argument of any data type which is checked with the_options.
5.	If value does not match with any of the cases in switch statement _____ block is executed.
6.	If the condition in the if statement is true than it returns__.
Q-2	**True or False:**
1.	There are 4 types of storage classes in C.
2.	By default all the variables refer auto storage class.
3.	The case label of switch structure can be a float value.
4.	Automatic variables stores default value as garbage.
5.	Register variables are store in memory.
6.	Switch case lable value must start with 1.
7.	Variables store in primary memory, access to these variables become slow.
8.	If statement must be end with else.
9.	Int x=5,y=10 ; if(x<10 || y>=10) then printf(“OK”); is valid statemet in c.
10.	Garbage value is always 0.
Q-3	**Find the Output**

1.	#include<stdio.h>
	void main()
	{
	int a = 500, b =
	100, c; if(!a >=
	400)
	b = 300;
	c = 200;
	printf("b = %d c = %d\n", b, c);

	}

2.	#include<stdio.h>
	void main()
	{
	int a = 300,
	b, c; if(a >=
	400)
	b = 300;

	c = 200;
	printf("%d, %d, %d\n", a, b, c);
	}

3.	`#include<stdio.h>`
	`int main()`
	`{`
	`int x=10;`
	`printf("%d, %d, %d\n", x <= 10, x = 40, x >= 10);`
	`return 0;`
	`}`

Q-4	**Answer the following questions:**
1.	Explain If statement with syntax and example.
2.	Explain If else statement with syntax and example.
3.	Explain nested If else statement with syntax and example.
4.	Explain If else if ladder statement with syntax and example.
5.	Explain break statement with help of example.
6.	Explain continue statement with help of example.
7.	Differentiate between switch case and else-if ladder.
8.	Explain different decision making statements in detail.
9.	Compare automatic and external storage class.
10.	Explain multiway selection (switch) with suitable example.