International Institute of Health Management Research
Term End Examination
Sub: Programming Language (Through OOPs)

Max. Mark: 70   **Max Time: 02:00 Hrs**

Que 1: Attempt all Question   **10*1 M**

1.   C programs are converted into machine language with the help of
     (1) An Editor
     (2) A compiler
     (3) An operating system
     (4) None of the above

2.   C variable cannot start with
     (1) An alphabet
     (2) A number
     (3) A special symbol other than underscore
     (4) Both (2) & (3) above

3.   A do-while loop is useful when we want that the statements within the loop must be executed:
     1. Only once
     2. At least once
     3. More than once
     4. None of the above

4.   What is the output of the following code snippet?

```c
#include<stdio.h>
main()
{
  int x = 5;
    if(x==5)
  {
    if(x==5) break;
    printf("Hello");
  }
  printf("Hi");
}
```
     A - Compile error
     B - Hi
     C - HelloHi
     D - Hello

5. What will be the output of the following statements?

```
int a=10, b=20, c=30;
if (a>b)
if (b>c)
printf ("stage 1\t");
else
printf ("stage 2\t");
```

6. Which keyword can be used for coming out of recursion?

A. break

B. return

C. exit

D. Both (a) and (b)

7. Find out on which line no. you will get an error?
Line 1: void main ( )
Line 2: {
Line 3: print ("\n Hello World")
Line 4: }

A] Line 1   B] Line 2   C] Line 3   D] Line 4

8. Which escape character can be used to begin a new line in C?
A] \a
B] \b
C] \m
D] \n

9. String constants should be enclosed between ____
A] Single quotes
B] Double quotes
C] Both a and b
D]None of these

10. The operator && is an example for ___ operator.
A] Assignment
B] Increment
C] Logical
D] Rational

Q 2: Solve Any Three (20*3) M

1. Write a program to print the numbers from 25 to 100 and their squares.

2. differences between compilers & interpreters. Write a program in C, which that takes length in Inches and then find out its equivalent in Meters and Centimeters.

3. Explain the properties of Algorithm. Write a program in C, which can print the factorial of a given number

4. Write a program to read in a year and report whether it is a leap year or not.

5. A library charges a fine for every book returned late. For first 5 days the fine is 50 paise, for 6-10 days fine is one rupee and above 10 days fine is 5 rupees. If you return the book after 30 days your membership will be cancelled. Write a program to accept the number of days the member is late to return the book and display the fine or the appropriate message

6. Write a to print and add first 100 odd numbers through   (a) for loop   (b) while loop.