UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

End Semester Examination, December 2018

Course: BBA (A&IS)

Semester: III

Programme: Introduction to Programming (DSIT 2006)

Time: 03 hrs.   **Max. Marks: 100**

Instructions:

SECTION A

S. No.		Marks	CO
Q 1	**Select the correct option**	10X3=30	
	1. How many times "IndiaBIX" is get printed?		

```c
#include<stdio.h>
int main()
{
  int x;
  for(x=-1; x<=10; x++)
  {
    if(x < 5)
      continue;
    else
      break;
    printf("IndiaBIX");
  }
  return 0;
}
```

      A. Infinite times

      B. 11 times

      C. 0 times

      D. times

   2. Which of the following is not logical operator?

      A. &

CO1

B. &&

C. ||

D. !

3. Which of the following statements should be used to obtain a remainder after dividing 3.14 by 2.1 ?

   A. rem = 3.14 % 2.1;

   B. rem = modf(3.14, 2.1);

   C. rem = fmod(3.14, 2.1);

   D. Remainder cannot be obtain in floating point division.

4. Which of the following special symbol allowed in a variable name?
   A. * (asterisk)

   B. | (pipeline)

   C. - (hyphen)

   D. _ (underscore)

5. By default a real number is treated as a
   A. float

   B. double

   C. long double

   D. far double

6. The keyword used to transfer control from a function back to the calling function is
   A switch

   B goto

   C go back

   D return

7. How many times the program will print "IndiaBIX" ?
#include<stdio.h>

```
int main()
{
  printf("IndiaBIX");
  main();
  return 0;
}
```

    A. Infinite times

    B. 32767 times

    C. 65535 times

    D. Till stack overflows

8. To print out a and b given below, which of the following printf() statement will you use?

#include<stdio.h>

float a=3.14;
double b=3.14;

    A. printf("%f %lf", a, b);

    B. printf("%Lf %f", a, b);

    C. printf("%Lf %Lf", a, b);

    D. printf("%f %Lf", a, b);

9. To scan a and b given below, which of the following scanf() statement will you use?

#include<stdio.h>
float a;
double b;

    A   scanf("%f %f", &a, &b);

    B   scanf("%Lf %Lf", &a, &b);

    C   scanf("%f %Lf", &a, &b);

    D   scanf("%f %lf", &a, &b);

10. Input/output function prototypes and macros are defined in which header file?

    A. conio.h

    B. stdlib.h

    C. stdio.h

	D. dos.h		

<table>
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<tr><td></td><td>Attempt all questions:</td><td>8X5=40</td><td></td></tr>
<tr><td>Q1</td><td>What are different types of arithmetic operators.</td><td>5</td><td>CO1</td></tr>
<tr><td>Q2.</td><td>Explain the use of printf and scanf function with example.</td><td>5</td><td>CO2</td></tr>
<tr><td>Q3.</td><td>Write a programs to find a factorial of a number using functions.</td><td>5</td><td>CO3</td></tr>
<tr><td>Q4.</td><td>Differentiate between array and variable.</td><td>5</td><td>CO1</td></tr>
<tr><td>Q5.</td><td>. Write a C Program to Compute Quotient and Remainder.</td><td>5</td><td>CO3</td></tr>
<tr><td>Q6.</td><td>Differentiate between logical and relational operators.</td><td>5</td><td>CO2</td></tr>
<tr><td>Q7.</td><td>Write a C program to check whether a number is positive or negative.</td><td>5</td><td>CO3</td></tr>
<tr><td>Q8.</td><td>Write a C Program to calculate average of three numbers using function.</td><td>5</td><td>CO3</td></tr>
<tr><td colspan="4" align="center">SECTION-C</td></tr>
<tr><td></td><td>Attempt any two questions</td><td>2X15=30</td><td></td></tr>
<tr><td>Q1.</td><td>Describe different types of loops with examples. Print table of 5 using different types of loops.</td><td>15</td><td>CO2</td></tr>
<tr><td>Q2.</td><td>Describe different types of file modes. Write a program to store and display text into a file.</td><td>15</td><td>CO2</td></tr>
<tr><td>Q3.</td><td>Describe different types of decision making statements with examples.</td><td>15</td><td>CO1</td></tr>
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