Assignment No: 2

Programme: _____

Semester: _____

Submitted by:-

Student Name :	
Enrollment No :	
Roll No. :	
Course Name:	
Date of Submission:	

Submitted to:-

_____

Department of Computer Science and Applications (CSA)
Monad University
N.H. 24, Delhi Hapur Road, Pilakhwa,
Dist. Hapur (U.P.), India-245101

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Programme: BCA II Sem
Course Name: DATABASE MANAGEMENT SYSTEMS
Course Code: BCA-121
Assignment No: 2
Due date of submission: 20.04.2018

Instructions

1. Write the responses to the assignment in your own handwriting.
2. Submit the responses to your HoD within the due date.
3. Write your Name, Programme and Enrollment No. clearly at the top of page.

Q.1

(a) Explain all aggregate function with example.

(b) Explain functional dependencies with normal forms.

Q.2

(a) Explain joins and union with example.

(b) Explain Distributed Database.

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Programme: BCA II Sem
Course Name: DATA STRUCTURE USING "C"
Course Code: BCA-122
Assignment No: 2
Due date of submission: 20.04.2018

Instructions

1. Write the responses to the assignment in your own handwriting.
2. Submit the responses to your HOD within the due date.
3. Write your Name, Programme and Enrollment No. clearly at the top of page.

Q.1

(a) As we know that structure is the combination of different type of data type. So, write a program to enter marks of three subjects and name of the students with the help of structure.

(b) As we know that the concept of stack. So, write an algorithm of push and pop operation using stack.

Q.2

(a) As we know the concept of function. So, explain the concept of recursion, also WAP of tower of Hanoi using recursion.

(b) As we very well know the concept of computation of an expression. So solve the following expression from infix to prefix notations.

I) (A+B)*C / (D-E) ^ F

II) A*(B+C+D)/E-F

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Programme: BCA II Sem
Course Name: ENVIRONMENTAL SCIENCE
Course Code: HS-121
Assignment No: 2
Due date of submission: 20.04.2018

Instructions

1. Write the responses to the assignment in your own handwriting.
2. Submit the responses to your HoD within the due date.
3. Write your Name, Programme and Enrollment No. clearly at the top of page.

Q. 1

(a) You already know about biodiversity. If yes, explain about the characteristics of biodiversity.

(b) As you are aware of the term ecological succession. If yes, explain the meaning and types of ecological succession.

Q.2

(a) You already aware about population. Explain the characteristics of population.

(b) You already know about nitrogen cycle. Explain the steps of nitrogen cycle.

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Programme: BCA II Sem
Course Name: DIGITAL ELECTRONICS AND COMPUTER ORGANISATION
Course Code: BCA-124
Assignment No: 2
Due date of submission: 20.04.2018

Instructions

1. Write the responses to the assignment in your own handwriting.
2. Submit the responses to your HoD within the due date.
3. Write your Name, Programme and Enrollment No. clearly at the top of page.

Q.1

(a) Differentiate between "Multiprogramming and Hardwired control" in detail.

(b)What is Stack? Explain the operations used with it.

Q.2

(a)What is computer memory? Write all the categories of memory in detail.

(b)Explain the following:

(i) Addressing Modes (ii) Strobe based and handshake base communication

Programme: BCA II Sem
Course Name: MATHEMATICS-II
Course Code: BCA-125
Assignment No: 2
Due date of submission: 20.04.2018

Instructions

1. Write the responses to the assignment in your own handwriting.
2. Submit the responses to your HoD within the due date.
3. Write your Name, Programme and Enrollment No. clearly at the top of page.

Q.1

(a) As you are aware of the Maclaurin's series, state the Maclaurin's series expansion of a function with Lagrange's form of remainder after n terms, Using this find the expansion of log(1+x) upto four terms.

(b) Expand $e^{a\sin^{-1}x}$ by Maclaurin's series and find the general term.

Q2.

(a) As you are aware of maxima and minima, discuss the maximum or minimum values of $u = x^3y^2(1-x-y)$.

(b) Find the existence of $\lim \dfrac{x^3+y^3}{x-y}$.