ROYAL UNIVERSITY OF DHAKA
Program:B.Sc. (HON'S) in CSE/CSIT
Course Code & Title: CSE 335 & Multimedia System Design
Course Teacher: Subhra Prosun Paul (01675932517, subhra.paul@royal.edu.bd)

Assignment

Assignment Topic:

Classify different types of information representation technique in multimedia system. Explain the hardware and software requirement of text and graphics components in multimedia system.

ROYAL UNIVERSITY OF DHAKA
Program: B.Sc. (HON'S) in CSE/CSIT
Course Code & Title: CSE 311 & Database Management System
Course Teacher: Subhra Prosun Paul (01675932517, subhra.paul@royal.edu.bd)

Assignment

Assignment Topic:

Classify different types of Data model in Database management system. Describe different functions of Database Management system. Give the concepts of Data abstractions.

ROYAL UNIVERSITY OF DHAKA
Program: B.Sc. (HON'S) in CSE/CSIT
Course Code & Title: CSE 133 & Data Structure and Algorithm
Course Teacher: Subhra Prosun Paul (01675932517, subhra.paul@royal.edu.bd)

Assignment

Assignment Topic:

Give the concepts of data structure and algorithm. Describe different features of algorithm. What are the necessity of data structure? Write different operations of data structure.

ROYAL UNIVERSITY OF DHAKA
Program: B.Sc. (HON'S) in CSE/CSIT
Course Code & Title: CSE 135 & Discrete Mathematics
Course Teacher: Subhra Prosun Paul (01675932517, subhra.paul@royal.edu.bd)

Assignment

Assignment Topic:

Give the concept of set theory & Cartesian product of sets. Describe different operations of set theory. State & Proof De'Morgan's law of set theory. How can you differentiate between set & function?

ROYAL UNIVERSITY OF DHAKA
Program: MSCSE
Course Code & Title: MS 593 & Discrete Mathematics
Course Teacher: Subhra Prosun Paul (01675932517, subhra.paul@royal.edu.bd)

Assignment

Assignment Topic:

How can we represent any set? Define different types of set. Explain different laws of algebraic set theory. State & prove Distributive laws of set theory. Give the concept of Relation.

ROYAL UNIVERSITY OF DHAKA
Program: MSCSE
Course Code & Title: MS 501 & Structured Programming Language
Course Teacher: Subhra Prosun Paul (01675932517, subhra.paul@royal.edu.bd)
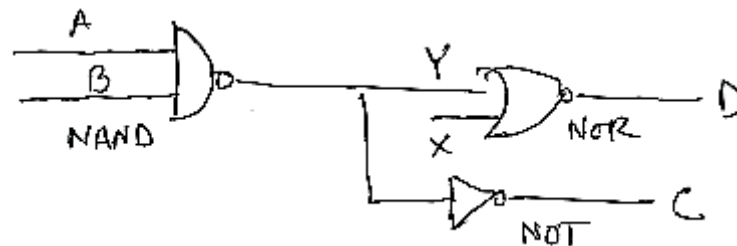
Assignment

Assignment Topic:

What are the rules to declare integer and real constant in C program? Classify different types of C instruction with examples. Give the concept of operator precedence.

ROYAL UNIVERSITY OF DHAKA
Program: B.Sc. (HON'S) in CSE/CSIT
Course Code & Title: EEE 103-Electronics Engineering
Course Teacher: Ahmed Abdullah (01680076500, ahmed.abdullah@royal.edu.bd)

Assignment

Assignment Topic:
Calculate average delay and fall delay for the following figure for given A=0 & B=1

ROYAL UNIVERSITY OF DHAKA
Program: B.Sc. (HON'S) in CSE/CSIT
Course Code & Title: EEE 109 & Microcontroller
Course Teacher: Ahmed Abdullah 01680076500, ahmed.abdullah@royal.edu.bd

Assignment

Assignment Topic:
Explain operation of 8051 Microcontroller chip. Write a notes on raspberry pie.

ROYAL UNIVERSITY OF DHAKA
Program: B.Sc. (HON'S) in CSE/CSIT
Course Code & Title: EEE 103: Electronics Engineering (Bhairab)
Course Teacher: Ahmed Abdullah 01680076500, ahmed.abdullah@royal.edu.bd

Assignment

Assignment Topic:
How storage system works in digital electronics? Explain. Draw 8-bit bidirectional serial in/parallel out structure diagram with flow chart.

ROYAL UNIVERSITY OF DHAKA
Program: B.Sc. (HON'S) in CSE/CSIT
Course Code & Title: MS 602 - Visual and Internet Programming [A]
Course Teacher: Mosharrof Hussain Masud (01904335169), mh.masud@royal.edu.bd

Assignment

Assignment Topic: Discuss the network protocols of the Internet. How a message can be delivered from the server? Justify your answer.

ROYAL UNIVERSITY OF DHAKA
Program: B.Sc. (HON'S) in CSE/CSIT
Course Code & Title: CSIT 325 - Management Information System [B]
Course Teacher: Mosharrof Hussain Masud (01904335169), mh.masud@royal.edu.bd

Assignment

Assignment Topic: What is an Information System (IS)? Discuss the development stages of IS with an example.

ROYAL UNIVERSITY OF DHAKA
Program: B.Sc. (HON'S) in CSE/CSIT
Course Code & Title: CSE 337 - Pattern Recognition [B]
Course Teacher: Mosharrof Hussain Masud (01904335169), mh.masud@royal.edu.bd

Assignment

Assignment Topic: Define feature selection. Why feature selection is important in pattern recognition. Differentiate between feature selection and extraction. Draw the flow chart of data extraction.

ROYAL UNIVERSITY OF DHAKA
Program: B.Sc. (HON'S) in CSE/CSIT
Course Code & Title: CSE 231 - Computer Algorithm [A]
Course Teacher: Mosharrof Hussain Masud (01904335169), mh.masud@royal.edu.bd

Assignment

Assignment Topic: Discuss the different approaches to designing an algorithm. Write an algorithm that reads Five numbers and prints the value of the largest number.

Submission deadline:

ROYAL UNIVERSITY OF DHAKA
Program: B.Sc. (HON'S) in CSE/CSIT
Course Code & Title: CSE 109 - Computer Application [B]
Course Teacher: Mosharrof Hussain Masud (01904335169), mh.masud@royal.edu.bd

Assignment

Assignment Topic: Define the term "Software". Discuss the types of software in details. Think about a machine that can act like a human brain, justify your answer with an example.

Submission deadline:

ROYAL UNIVERSITY OF DHAKA
Program: MSCSE
Course Code & Title: MS 592 & System Analysis & Design
Course Teacher: Rowjatul Zannat Eshita
(Contact No: 01675742407, Mail: rowjatul.eshita@royal.edu.bd)

Assignment Topic:
What are various types of Systems? Define data model. Explain prototyping. Write down the advantages and disadvantages of different software process models. Discuss about different components of Information system.

ROYAL UNIVERSITY OF DHAKA
Program: B.Sc. (HON'S) in CSE/CSIT
Course Code & Title: CSIT 215 - Computer Organization & Architecture (Evening)
Course Teacher: Rowjatul Zannat Eshita
(Contact No: 01675742407, Mail: rowjatul.eshita@royal.edu.bd)

Assignment Topic:
Describe different steps of instruction cycle of a computer with an appropriate figure. Show a traditional hierarchical BUS architecture and discuss about different BUS interconnections. Discuss the design procedure of an arithmetic logic unit. Give some examples of arithmetic and logical instructions.

ROYAL UNIVERSITY OF DHAKA
Program: B.Sc. (HON'S) in CSE/CSIT
Course Code & Title: CSE 235 - Software Engineering (Day+Evening)
Course Teacher: Rowjatul Zannat Eshita
(Contact No: 01675742407, Mail: rowjatul.eshita@royal.edu.bd)

Assignment Topic:
Show the steps of Rapid Application Development (RAD) Model, waterfall model and write down the characteristics and drawbacks of these models. Discuss about different software myths with example. Discuss about the Customer Communication Activity in project management

ROYAL UNIVERSITY OF DHAKA
Program: B.Sc. (HON'S) in CSE/CSIT
Course Code & Title: CSIT 331, Advance Computer Network (Eve)
Course Teacher: Md. Nur-E-Arefin (01675025549, nur.arefin@royal.edu.bd)

Assignment

Assignment Topic:
a) What are the types of network? Differentiate among them.
b) How to access network and physical media?
c) What are the computer network security threats? Explain briefly.
d) Discuss about different internet structures with figures.
e) Find out the nodal delay where L=6.5 Mbits, R=2.5 Mbps, D=200 meters, average packet arrival rate=180 PPS and processing delay is 3 micro seconds.

ROYAL UNIVERSITY OF DHAKA
Program: B.Sc. (HON'S) in CSE/CSIT
Course Code & Title: CSE 233, Operating System (Day)
Course Teacher: Md. Nur-E-Arefin (01675025549, nur.arefin@royal.edu.bd)

Assignment

Assignment Topic:
Explain I/O system Management? Differentiate Multitasking & Multiprogramming? Explain context switch? Explain Scheduling Queues? Differentiate user level thread and kernel level thread?

ROYAL UNIVERSITY OF DHAKA
Program: B.Sc. (HON'S) in CSE/CSIT
Course Code & Title: CSE 323, E-Commerce (Eve)
Course Teacher: Md. Nur-E-Arefin (01675025549, nur.arefin@royal.edu.bd)

Assignment

Assignment Topic:
Design and Develop a simple Ballon-shop website and make a project report describing how you build this website step by step.

ROYAL UNIVERSITY OF DHAKA
Program: B.Sc. (HON'S) in CSE/CSIT
Course Code & Title: CSE 121, Structured Programming Language (Eve)
Course Teacher: Md. Nur-E-Arefin (01675025549, nur.arefin@royal.edu.bd)

Assignment

Assignment Topic:
a) What are comment and expression in C programming language? Write a C code showing comment and expression.
b) What is relational operator? Write a C code where all the relational operators are in use.
c) What are comma and address of operator? Write C codes showing their usage.