



Assignment No: 1

Programme: _____

Semester: _____

Submitted by:-

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

Submitted to:-

**Department of Computer Science and Applications (CSA)
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Programme: B.Tech (CS) IVth Sem

Course Name: Introduction to Microprocessor

Course Code: BTCS-221

Assignment No: 1

Due date of submission: 12.03.2018

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 know about microprocessor then explain the difference between microprocessor & CPU.
- b) As you are aware of microcontroller then explain the difference between microprocessor and microcontroller.

Q.2

- a) You are aware about memory space in a computer then explain the process of Partitioning of total memory space into small blocks.
- b) As you are aware of memory then explain about RAM, ROM, PROM and EPROM.



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Programme: B.Tech (CS) IVth Sem

Course Name: Information Technology Infrastructure and Its Management

Course Code: BTCS-222

Assignment No: 1

Due date of submission: 12.03.2018

Instructions

1. Write the responses to the assignment in your own handwriting.
2. Submit the responses to your HoD within the due date.
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Question No. 1.

(A) As you know very well about the ITIM. Discuss the importance and scope of ITIM in today's scenario in detail.

(B) As you are aware of IT infrastructure management for better services now, you will learn more if you attempt to explain the following along with their applications in detail:

- i) IT Service Management.
- ii) IT Infrastructure Library.

Question No. 2.

(A) As you are aware that IT helps in decreasing cost and improving performance of an organization. Now, discuss about the evolution and developments in IT infrastructure step by step.

(B) Discuss the key features of the following terms:

- i) Service Management
- ii) Capacity Management
- iii) Availability Management



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Programme: B.Tech (CS) IVth Sem
Course Name: Data Base Management System
Course Code: BTCS-223
Assignment No: 1
Due date of submission: 12.03.2018

Instructions

1. Write the responses to the assignment in your own handwriting.
2. Submit the responses to your HoD within the due date.
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Q.1

- a) Explain history of database.
- b) Explain the advantages and disadvantages of Database Management System.

Q.2

- a) Explain all the models of DBMS in detail.
- b) Explain all the data types of SQL in detail.



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Programme: B.Tech (CS) IVth Sem

Course Name: Theory of Formal Languages and Automata

Course Code: BTCS-224

Assignment No: 1

Due date of submission: 12.03.2018

Instructions

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2. Submit the responses to your HoD within the due date.
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Q.1

- a) As you are aware of automata and language. So, you can explain the different types of languages and automata with the help of an example of each. Do it.
- b) As you are aware of DFA. So, design the DFA for the languages defined over $\Sigma = \{0,1\}$ which accepts:
1. All the strings having 101 or 110 as substring.
 2. All the strings ending with 00.

Q.2

- a) As you are aware of NFA. So, design a NFA with no more than 5 states for the set,
$$L = \{ abab^n ; n \geq 0 \} \cup \{ aba^n ; n \geq 0 \}$$
- b) Find the grammar for the given languages defined over $\Sigma = \{a, b\}$ which accepts:
1. All the palindrome strings of even length.
 2. All the palindrome strings of odd length.



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Programme: B.Tech (CS) IVth Sem

Course Name: Computer Graphics

Course Code: BTCS-225

Assignment No: 1

Due date of submission: 12.03.2018

Instructions

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2. Submit the responses to your HoD within the due date.
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Q.1

a) As you know the Computer Graphics (CG). So, you can define it and give its real life applications in detail. Do it.

b) As you are aware of Display System. So, you can differentiate Raster and Random scan display system. Do it.

Q.2

a) As you are aware of DDA line drawing algorithm. So, you can explain it to draw a line from (0, 0) to (4, 5). Do it.

b) As you are aware of video controller and frame buffer. You will learn more, if you attempt to explain them with the help of their architecture. Go ahead.



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Programme: B.Tech (CS) IVth Sem
Course Name: Business Economics & Accounting
Assignment No: 1
Due date of submission: 12.03.2018

Instructions

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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) What are the fundamental concepts and principles of management economics?
- b) Explain significance of Managerial Economics in Decision-Making?

Q.2

- a) Define 'Managerial Economics'. Explain its characteristics also.
- b) Who is Managerial Economist? Explain roles of Managerial Economist..