



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)
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**MONAD
UNIVERSITY**
Established by UP State Govt. Act 23 of 2010
& U/S 2 (f) of U.G.C. Act 1956

Programme: B.Tech (CS) IVth Sem

Course Name: Introduction to Microprocessor

Course Code: BTCS-221

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 know about 8-bit microprocessor then explain Pin description and internal architecture of Intel 8085 microprocessor.

b) I know you are aware about operation and control of microprocessor then explain the Timing and control unit, op-code fetch machine cycle and memory read/write machine cycles of microprocessor.

Q.2

a) You are aware about instruction Set for a microprocessor then explain the flow chart of few typical instructions with examples.

b) I know you are aware about interfacing then explain interfacing of memory chips, address allocation technique, decoding and I/O devices.



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Programme: B.Tech (CS) IVth Sem

Course Name: Information Technology Infrastructure and Its Management

Course Code: BTCS-222

Assignment No: 2

Due date of submission: 20.04.2018

Instructions

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Q.1

(a) As you know about the Service delivery process. So, now you can discuss service delivery process in detail. Do it.

(b) As you are aware of Security Management, you will learn more, if you attempt to explain the following in detail:

- i) Computer Security
- ii) Internet Security

Go ahead.

Q.2

(a) As you are aware of Malware. So, now you can discuss Virus, Trojan, Worms and Spyware in detail. Do it.

(b) Write short note on:

- i) Intrusion Detection
- ii) Cyber Ethics
- iii) Intellectual Property



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Programme: B.Tech (CS) IVth Sem

Course Name: Data Base Management System

Course Code: BTCS-223

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 cursor with example in SQL.



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Programme: B.Tech (CS) IVth Sem

Course Name: Theory of Formal Languages and Automata

Course Code: BTCS-224

Assignment No: 2

Due date of submission: 20.04.2018

Instructions

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Q.1

(a) As you know about transducers. So, you can explain Moore and Mealy machine with suitable example of each. Do it.

(b) A regular expression is given below

$$(0+1)^* 010 (00+11)$$

Design FA for it.

Q.2

(a) As you are aware of Turing machine. So, you can explain all its variants in detail. Do it.

(b) As you know about Post Correspondence Problem. So, explain Post Correspondence Problem and Modified Post Correspondence Problem with suitable example of each.



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Programme: B.Tech (CS) IVth Sem

Course Name: Computer Graphics

Course Code: BTCS-225

Assignment No: 2

Due date of submission: 20.04.2018

Instructions

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Q.1

(a) As you are aware of transformations. So, you can explain three dimensional transformations in detail. Do it.

(b) As you are aware of clipping. So, you can explain polygon clipping with suitable example. Do it.

Q.2

(a) As you are aware of projection. So, you can explain parallel projection in detail. Do it.

(b) As you know about hidden surfaces and lines. You will learn more about it, if you attempt to explain scan line method. Go ahead.



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Programme: B.Tech (CS) IVth Sem
Course Name: Business Economics & Accounting
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) Briefly explain meaning and characteristics of monopolistic competition.
- b) Define equilibrium of firm.

Q.2

- a) Briefly differentiate between rent and quasi-rent.
- b) Define managerial productivity theory and modern theory of wages.