MONAD UNIVERSITY, HAPUR (UP)

Programme: B.Tech(CS)

Semester: IV

Course: BTCS-221Automata

Assignment No: 2

Due date of submission: 22.04.2019

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 the page.

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.

MONAD UNIVERSITY, HAPUR (UP)

Programme: B.Tech(CS)

Semester: IV

Course: ECONOMICS

Assignment No: 2

Due date of submission: 22.04.2019

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Question:-1
    a) Define Market structure? What are the determinants of the market structure.
    b) What is perfect compettion? How a firm determine its price and output under perfect competition.

Question:-2

    a) What is Monopoly? Briefly explain its features.
    b) What do you understand by Price discrimination? What are the favourable circumstances for price discrimination.

MONAD UNIVERSITY, HAPUR (UP)

Programme: B.Tech(CS)

Semester: IV

Course: BTCS Introduction To microprocessor

Assignment No: 2

Due date of submission: 22.04.2019

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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.

MONAD UNIVERSITY, HAPUR (UP)

Programme: B.Tech(CS)

Semester: IV

Course: BCA-222 Computer Graphics

Assignment No: 2

Due date of submission: 22.04.2019

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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.

MONAD UNIVERSITY, HAPUR (UP)

Programme: B.Tech(CS)

 Semester: IV

Course: BCA-121 DBMS

Assignment No: 2

Due date of submission: 22.04.2019

Instructions:

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3. Write your Name, Programme, and Enrolment No. clearly at the top of the page.

Q1 (a): What is DBMS Architecture and explain DBMS schema.

   (b):   Define Relational Algebra in detail and describe type of command.

Q2 (a): Explain the term ACID with example.

   (b): Define term generalization and explain difference between generalization and Aggregation?