

**ASSIGNMENT No. -1**

**Course Code:- HUM-501**

**Date of Submission:- 4-10-2019**

**Course Title:-MANAGERIAL ECONOMICS**

**Marks:- 50**

**Q1.Analyse the Recent Developments in Demand Theory? (10)**

**Q2. Outline the concept of Profit and evaluate its measurement? (10)**

**Q3.Evaluate Cost of Production and Elaborate its types? (10)**

**Q4. Explain your understanding of:-**

**a) Multi-Product pricing.**

**b) Peak- Load pricing.**

**C) Two Part-Tariff.**

**d) Implicit price fixing. (20)**

**SEMESTER: 5TH**

**COURSE NO: IT-502**

**COURSE TITLE: FLAT**

**BRANCH: INFORMATION TECHNOLOGY**

**ASSIGNMENT-1**

**Date of submission: 03-10-2019**

**Max. Marks: 50**

Q1: Outline the properties & limitations of finite state machine. [10]

Q2: Design DFA and regular expression when the DFA accepts all strings corresponding to expression  $1^*01(0+11)^*$ .

Also explain how to convert DFA to regular expression by eliminating states. [10]

Q3: Compare DFA & NFA. For every language L accepted by a non-deterministic finite automaton, there exists a deterministic finite automata that accepts L. Justify.

. [10]

Q4: State My-Hill Nerode Theorem. How to prove that a given language is not regular.

. [10]

Q5: Discuss an ambiguous grammar. State how do we remove the ambiguity of a grammars?

. [10]

**SEMESTER: 5TH**

**COURSE NO: IT-503**

**COURSE TITLE: RDBMS**

**BRANCH: INFORMATION TECHNOLOGY**

**ASSIGNMENT-1**

**Date of submission: 03-10-2019**

**Max. Marks: 50**

Q1: Outline DDLs and DMLs with all the commands in this category. [10]

Q2: Classify the different operators in SQL and also describe the generalization and aggregation. [10]

Q3: Investigate the various operations in the relational algebra. [10]

Q4: Point out the architecture of DBMS with the help of a block diagram. Also describe the concept of data independence. [10]

Q5: Analyse the following terms:

a) PL/SQL

b) Triggers

[10]