2123
B.E. (Computer Science and Engineering)
Third Semester
AS-201: Economics

Time allowed: 3 Hours   Max. Marks: 50

NOTE: Attempt five questions in all, including Question No. I which is compulsory and selecting two questions from each Unit.

x-x-x

I.   Attempt the following:-

   1. Give characteristics of oligopoly.
   2. Nature of economics.
   3. Fixed v/s variable cost.
   4. Cost v/s value of software patents.
   5. Role of economics in engineering.

(5x2)

UNIT - I

Q2. a. Explain of equi – marginal utility taking example of apparel industry.

   b. Explain Law of diminishing marginal utility taking example of a hardware manufacturing company.

Q3. What is cross-price elasticity of demand? Provide examples to illustrate its application in manufacturing and engineering services' organizations.

Q4. Discuss the stages of production in the context of the Law of Variable Proportions. Explain the characteristics of each stage and the corresponding implications for production.

(2x10)

UNIT - II

Q5. Analyse the risks associated with the dependency on third-party vendors in the context of software outsourcing. Discuss strategies that companies can implement to mitigate these risks.

Q6. Analyse the effects of inflation on an economy and its various stakeholders, including consumers, businesses, and the government.

Q7. Explain the various methods used to calculate national income, such as the income approach, expenditure approach, and production approach. Compare the advantages and limitations of each method. Also, discuss the significance of national income accounting in the formulation of economic policies.

(2x10)

x-x-x