2074
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 Part. All questions carry equal marks.*

x-x-x

Q1. Answer the following:-

1. Cross elasticity
2. Economics and engineering
3. Diseconomies of scale
4. Duopoly v/s oligopoly
5. Estimating value of software.

Part- A

Q2. Analyse the factors that influence consumer demand for a specific product. How do changes in these factors affect the demand curve? Explain the consumer purchase decision process taking example of smart phone by a teenager and a working professional.

Q3. a. Define the concept of an indifference map and explain how it is constructed using individual indifference curves. Explain indifference schedule for smart TVs.
b. Explain ordinal utility.

Q4. a. Explain returns to scale an returns to factor.
b. Explain law of variable proportion taking example smart watches and smart phones.

Part- B

Q5. Explain inflation. Describe the different types of inflation, including demand-pull inflation, cost-push inflation, and built-in inflation. Provide real-world examples for each type. Also, explain the effects of inflation especially in electronics goods along with the ways to decrease these effects.

Q6. Compare and contrast the characteristics of monopoly and perfect competition. Analyse the implications of each market structure for consumer welfare and market efficiency.

Q7. 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.

x-x-x