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| SYNERGY INSTITUTE OF ENGINEERING & TECHNOLOGY, DHENKANAL | | |
| Assignment- I | Course Name: B Tech | |
| Semester: 4th | Full Marks: 40 | |
| SUBJECT: Engineering Economics | | |
| Course Code: HSHS2001 | Year-2020-21 | Branch: CSE |

SEC-A (Answer all questions)

(2M*4)

| | | | |
|----|---|-----|----|
| 1. | What is demand? Define with example. | CO1 | L1 |
| 2. | Distinguish between substitute goods and complimentary goods. | CO1 | L1 |
| 3. | What are the examples of goods for basic necessities? | CO1 | L1 |
| 4. | What the law of Supply states us? | CO1 | L3 |

SEC-B (Answer all questions)

(6M*2)

| | | | |
|----|---|-----|----|
| 1. | Explain the factor determining the price elasticity of demand(CO1,L3) | CO1 | L3 |
| 2. | Explain the factor determining the supply of goods (CO1,L3) | CO1 | L2 |

SEC-C (Answer all questions)

(10M*2)

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|----|--|-----|----|
| 1. | Explain the types of price elasticity of demand? (CO1,L2) | CO4 | L2 |
| 2. | Explain the ARC elasticity of demand with the examples(CO1,L2) | CO4 | L3 |

SECTION D

Additional questions

| | |
|----|--|
| | Why demand curve slope downward? Explain |
| a) | Measure elasticity of demand by using expenditure method? (CO1,L2) |
| b) | Explain the different types of demand? |
| a) | What is law of demand? Explain the functions of demand. |

Answer with the additional questions



**SYNERGY INSTITUTE OF ENGINEERING & TECHNOLOGY,
DHENKANAL**

Assignment- II

Course Name: B Tech

Semester: 4TH

Full Marks: 40

SUBJECT: Engineering Economics

Course Code: HSHS2001

Year-2024-25

Branch: CSE

SEC-A (Answer all questions)

(2M*4)

| | | | |
|----|--------------------------------------|-----|----|
| 1. | Define oligopoly market. | CO2 | L1 |
| 2. | What is diminishing return to scale? | CO2 | L1 |
| 3. | What is Average cost? | CO2 | L2 |
| 4. | Define variable cost. | CO2 | L1 |

SEC-B(Answer all questions)

(6M*2)

| | | | |
|----|--|-----|----|
| 1. | What is fixed cost and variable cost? Explain with the diagram | CO2 | L3 |
| 2. | Explain the characteristics of Iso-quant curve. | CO2 | L4 |

SEC-C (Answer all questions)

(10M*2)

| | | | |
|----|--|-----|----|
| 1. | What do you mean by return to scale? Explain | CO2 | L2 |
| 2. | Explain the law of variable proportions with its limitations | CO2 | L2 |

SECTION D

Additional questions

| | |
|----|--|
| | Distinguish between Opportunity cost and Economic cost. |
| a) | Which curve is the U shaped curve in the short run? Explain diagrammatically |
| b) | Explain diagrammatically the relationship between FC, VC, AC, AFC and AVC |

| | |
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| a) | Explain the diagrammatically the relationship between TR, AR and MR |
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Answer with the additional questions



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| SYNERGY INSTITUTE OF ENGINEERING & TECHNOLOGY, DHENKANAL | | |
| Assignment- III | Course Name: B Tech | |
| Semester: 4th | Full Marks: 40 | |
| SUBJECT: Engineering Economics | | |
| Course Code: HSHS2001 | Year-2024-25 | Branch: CSE |

SEC-A(Answer all questions)

(2m*4)

| | | | |
|----|---|-----|----|
| 1. | What is Margin of safety? | CO3 | L1 |
| 2. | What is breakeven point? | CO3 | L1 |
| 3. | What do you mean by P/V ratio? | CO3 | L2 |
| 4. | Distinguish between short period and long period. | CO3 | L1 |

SEC-B(Answer all questions)

(6M*2)

| | | | |
|----|--|-----|----|
| 1. | What is the significance of breakeven point for an entrepreneur? | CO3 | L3 |
| 2. | Explain the characteristics perfect market structure. | CO3 | L4 |

SEC-C (Answer all questions)

(10M*2)

| | | | |
|----|---|-----|----|
| 1. | Determine the equilibrium price of goods in a perfect market. | CO3 | L2 |
| 2. | How to measure breakeven point arithmetically | CO3 | L2 |

SECTION D

Additional questions

| | |
|----|---|
| | Explain the characteristics monopoly market. |
| a) | Explain the characteristics monopolistic market. |
| b) | Explain the characteristics oligopoly market. |
| a) | Explain the limitation of BEP. |
| b) | Explain the importance of BEP for economy of a country. |



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| SYNERGY INSTITUTE OF ENGINEERING & TECHNOLOGY, DHENKANAL | | |
| Assignment- IV | Course Name: B Tech | |
| Semester: 4th | Full Marks: 40 | |
| SUBJECT: Engineering Economics | | |
| Course Code: HSHS2001 | Year-2024-25 | Branch: CSE |

SEC-A (Answer all questions)

(2M*4)

| | | | |
|----|--------------------------------|-----|----|
| 1. | What is unit banking system? | CO1 | L1 |
| 2. | What is branch banking system? | CO1 | L1 |
| 3. | What do you mean by C-B ratio? | CO1 | L1 |
| 4. | What is bill of exchange? | CO1 | L3 |

SEC-B (Answer all questions)

(6M*2)

| | | | |
|----|---|-----|----|
| 1. | What do you mean by credit creation of commercial bank? | CO1 | L3 |
| 2. | Explain utility functions of commercial bank? | CO1 | L2 |

SEC-C (Answer all questions)

(10M*2)

| | | | |
|----|---|-----|----|
| 1. | Explain the functions of commercial bank? | CO4 | L2 |
| 2. | Explain the functions of central bank? | CO4 | L3 |

SECTION D

Additional questions

| | |
|----|---|
| | Explain the policy of credit control |
| a) | Explain the various department of central bank? |
| b) | What type of banking system is necessary in a developing country like India? |
| c) | Explain the role of commercial bank in developing a economy? |
| d) | An investment of a new machine requires \$345000 and the estimated market value of the machine after 6 years is \$115000. Annual revenue attributable to the new machine will be \$120000. Whereas additional annual expenses will be \$22000. Determine the IRR if the corporation; s MARR is 20%. |