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PRESIDENCY UNIVERSITY BENGALURU

SCHOOL OF ENGINEERING

**MAKE UP EXAMINATION - JULY 2024**

**Semester:** VI

**Course Code:** MGT112

**Course Name:** Engineering Economics

**Program:** B.Tech. Computer Science and Engineering

**Date:** 09-07-2024

**Time:** 1.30 PM - 4.30PM

# Max Marks: 100

**Weightage:** 50%

# Instructions:

1. *Read all questions carefully and answer accordingly.*
2. *Question paper consists of 3 parts.*
3. *Scientific and non-programmable calculator are permitted.*
4. *Do not write any information on the question paper other than Roll Number.*

**PART A**

**ANSWER ALL THE QUESTIONS (10 X 2 = 20M)**

1. Write a note on Depreciation and mention any two popular methods of Depreciation.

(CO5) [Knowledge]

1. Differentiate Law of Demand and Law of Supply.
2. Define Production Theory
3. Brief the Methods of Calculating National Income
4. Note on Pay back Period
5. List out different Laws of Production
6. Differentiate Fixed cost from variable cost
7. Differentiate‘Movement along Demand curve’ and ‘Shift of Demand curve.
8. List out the strategic Engineering Economic Decisions

(CO2) [Knowledge] (CO3) [Knowledge] (CO5) [Knowledge] (CO4) [Knowledge] (CO3) [Knowledge] (CO4) [Knowledge]

(CO2) [Knowledge] (CO1) [Knowledge]

1. State the Process of Decision making

(CO1) [Knowledge]

**PART B**

**ANSWER ALL THE QUESTIONS (5 X 8 = 40M)**

1. Describe the various Laws of Production with examples

(CO3) [Comprehension]

1. "The study of Circular flow of Income is of great importance from the perspective of Monetary policy" Critically comment
2. Reason out why the Demand curve is slopping downwards? explain
3. Describe the various methods of calculating National Income

(CO1) [Comprehension] (CO2) [Comprehension]

(CO5) [Comprehension]

1. If you deposit Rs.3,000 in an account that pays 10% interest, compounded annually. How much will you have at the end of 1 year? 2 years? and 3 years? and 4 Years.

(CO4) [Comprehension]

**PART C**

**ANSWER ALL THE QUESTIONS (4 X 10 = 40M)**

1. Illustrate Elasticity of Demand and its types with examples
2. Find out the Future Value at the end of five years of the following series of

(CO2) [Application]

Payment at 10% rate of interest. (C.O.No.4)[Application]

|  |  |
| --- | --- |
| YEAR | AMOUNT |
| 1 | 2000 |
| 2 | 3000 |
| 3 | 4000 |
| 4 | 5000 |
| 5 | 6000 |

(CO5,CO4) [Application]

1. Bala Engineering are producing a small component and they provide the following data: Selling Price per unit Rs. 40

Variable cost per unit Rs.25

Fixed cost Rs.15,000

Calculate a) BEP in Physical units and Sales value

* 1. Variable Cost at BEP
  2. Profit made by the company at 6000 units

1. Explain Circular flow of Income with suitable examples.

(CO3) [Application] (CO1) [Application]