

|  | (d) $41.98 \%$ |  |  |
| :---: | :---: | :---: | :---: |
| Q 6 | PTC reports total revenue of $\$ 47,561$, cost of goods sold of $\$ 32,856$ and net receivables of $\$ 19,595$. Their property, plant and equipment is $\$ 19,813$ and they have $\$ 16,240$ of inventory. Which ratio is highest - ART, INVT or PPET? <br> (a)ART <br> (b) INVT <br> (c) PPET <br> (d)cannot be determined from the information provided | 5 | C03 |
| 1. There are five questions in this section each question is of $\mathbf{1 0}$ marks <br> 2. Attempt all questions in this section |  |  |  |
| Q 7 | What are the various factors taken into consideration for choosing an INCOTERM? What is the difference between INCOTERM 2000 vs INCOTERM 2010? | 10 | CO2 |
| Q 8 | What are various challenges in construction logistics in power plant? | 10 | C03 |
| Q 9 | Discuss the difference between purchasing \& procurement \& also between RFI, RFP, RFQ? | 10 | CO2 |
| Q 10 | Best buy sells three models of smart meters, the Litepro, the Medpro, and the Heavypro. Annual demands for the three products are $\mathrm{DL}=12,000$ for the Litepro, $\mathrm{DM}=1,200$ units for the Medpro, and $\mathrm{DH}=120$ units for the Heavypro. Each model costs Best Buy $\$ 500$. A fixed transportation cost of $\$ 4,000$ is incurred each time an order is delivered. For each model ordered and delivered on the same truck, an additional fixed cost of $\$ 1,000$ is incurred for receiving and storage. Best Buy incurs a holding cost of 20 percent. Evaluate the lot sizes that the Best Buy manager should order if lots for each product are ordered and delivered independently. Calculate the following: <br> (a) Optimal order size <br> (b) cycle inventory <br> (c) Annual holding cost <br> (d) Order frequency <br> (e) Annual ordering cost <br> (f) Average flow time <br> (g) Annual cost | 10 | C03 |
| Q 11 | Discuss the value chain components of the power sector (Thermal power industry)? | 10 |  |
| Read the situation \& attempt the question |  |  |  |
| Q 12 | As a project manager explain the basic features of an EPC power project contract \& the contractual structure of a project-financed power project using an EPC contract Also discuss what are three main approaches for dealing with the issue of concurrent delay? | 20 | $\mathrm{CO4}$ |

