

| Q8. | Trace out the flow of goods, services, and resources and money payments in a simple economy. | 10 | CO1 |
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| SECTION-C (40 Marks) |  |  |  |
| Q 9 | A machine was purchased two years ago for rs 10000 .its annual maintenance cost is rs. 750 .its life is six years and its salvage value at the end of its life is rs. 1000 .Now a company is offering a new machine at a cost of rs. 10000 .its life is 4 years and its salvage value at the end of its life is rs. 4000 .The annual maintenance cost of new machine is rs.500.The company which is supplying the new machine is willing to take the old machine for rs. 8000 if it is replaced by the new machine. Assume an interest rate of $12 \%$, compounded annually. <br> a) Comparative use value of the old machine <br> b) Is it advisable to replace the old machine? <br> OR <br> A company has already identified machine A and determined the economic life as four years by assuming $15 \%$ interest rate. The annual equivalent total cost corresponding to the economic life is rs 2780 . <br> Now the manufacturer of machine B has approached the company. Machine B, which has same capacity as that of machine A , is estimated at rs 1500 for the first year and an equal increment of rs 250 thereafter. <br> If the money is worth $10 \%$ per year, which machine should be purchased? | 20 | $\mathrm{CO4}$ |
| Q10. | The alpha company has just purchased a capsulating machine for the rs 2000000. The plant engineer estimates that the machine has a useful life of five years and a slavage value of rs 25000 at the end of its useful life . Compute the depreciation schedule for the machine by each of the following depreciation method: <br> a) Straight line method <br> b) Sum of the years digits method of depreciation <br> c) Double declining balance method of depreciation | 20 | CO 3 |

