Solution

Answer (a)

MACHINERY ACCOUNT

Dr.					Cr.
Date	Particulars	Rs.	Date	Particulars	Rs.
01-04-2010	To Bank A/c	2,00,000	31-03-2011	By Depreciation A/c	18,000
	(1,80,000 + 10,000 + 10,000)		31-03-2011	By Balance c/d	1,82,000
		3,00,000			3,00,000
01-04-2011	To Balance b/d	1,82,000	31-03-2012	By Depreciation A/c	18,000
			31-03-2012	By Balance c/d	1,64,000
		1,82,000			1,82,000
01-04-2012	To Balance b/d	1,64,000	31-03-2013	By Depreciation A/c	18,000
			31-03-2013	By Balance c/d	1,46,000
		1,64,000	UDE		1,64,000
01-04-2013	To Balance b/d	1,46,000	31-03-2014	By Depreciation A/c	28,000
	A 3		31-03-2014	By Balance c/d	1,28,000
		1,46,000	* *		1,46,000

XI Accountancy NCERT Book Rationalised 2023-24	Depreciation Numerical Problem - 01	AccountsAptitude.com	

Working Note:

Computation of Depreciation = $\frac{\text{Cost of Machine} - \text{Scrap}}{\text{No. of years}}$

Depreciation = $\frac{(1,80,000+10,000+10,000) - 20,000}{10}$ = Rs. 18,000

DEPRECIATION ACCOUNT

Dr.		1			Cr.
Date	Particulars	Rs.	Date	Particulars	Rs.
31-03-2011	To Machinery A/c	18,000	31-03-2011	By Profit & Loss A/c	18,000
		18,000	75		18,000
31-03-2012	To Machinery A/c	18,000	31-03-2012	By Profit & Loss A/c	18,000
		18,000	JNTS		18,000
31-03-2013	To Machinery A/c	18,000	31-03-2013	By Profit & Loss A/c	18,000
	V 7	18,000		~	18,000
31-03-2014	To Machinery A/c	18,000	31-03-2014	By Profit & Loss A/c	18,000
		18,000	-		18,000

XI Accountancy NCERT Book Rationalised 2023-24	Depreciation Numerical Problem - 01	AccountsAptitude.com	
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Answer (b)

MACHINERY ACCOUNT

Dr.					Cr.
Date	Particulars	Rs.	Date	Particulars	Rs.
01-04-2010	To Bank A/c	2,00,000	31-03-2011	By Balance c/d	2,00,000
		2,00,000			2,00,000
01-04-2011	To Balance b/d	2,00,000	31-03-2012	By Balance c/d	2,00,000
		2,00,000			2,00,000
01-04-2012	To Balance b/d	2,00,000	31-03-2013	By Balance c/d	2,00,000
	-	2,00,000	INTE		2,00,000
01-04-2013	To Balance b/d	2,00,000	31-03-2014	By Balance c/d	2,00,000
		2,00,000			2,00,000
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DEPRECIATION ACCOUNT

Dr.					Cr.
Date	Particulars	Rs.	Date	Particulars	Rs.
31-03-2011	To Provision for Depreciation	20,000	31-03-2011	By Profit & Loss A/c	20,000
	A/c				
		20,000			20,000
31-03-2012	To Provision for Depreciation	18,000	31-03-2012	By Profit & Loss A/c	18,000
	A/c	N			
		18,000			18,000
31-03-2013	To Provision for Depreciation	16,200	31-03-2013	By Profit & Loss A/c	16,200
	A/c				
		16,200	THE P		16,200
31-03-2014	To Provision for Depreciation	14,580	31-03-2014	By Profit & Loss A/c	14,580
	A/c	DTIT	IIDE		
		14,580	UPE		14,580
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Rationalised 2023-24 Numerical Problem - 01	XI Accountancy NCERT Book Rationalised 2023-24	Depreciation Numerical Problem - 01	AccountsAptitude.com	
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PROVISION FOR DEPRECIATION ACCOUNT

Dr.					Cr.
Date	Particulars	Rs.	Date	Particulars	Rs.
31-03-2011	To Balance c/d	20,000	31-03-2011	By Depreciation A/c	20,000
		20,000			20,000
31-03-2012	To Balance c/d	38,000	01-04-2011	By Balance b/d	20,000
		1	31-03-2012	Depreciation A/c	18,000
		38,000			38,000
31-03-2013	To Balance c/d	54,200	01-04-2012	By Balance b/d	38,000
		_	31-03-2013	Depreciation A/c	16,200
		54,200	INTS		54,200
31-03-2014	To Balance c/d	68,780	01-04-2013	By Balance b/d	54,200
		APTIT	31-03-2014	Depreciation A/c	14,580
		68,780			68,780
	*			<u>_</u>	