

6. CASH FLOW STATEMENT

SOLUTIONS TO ASSIGNMENT PROBLEMS

PROBLEM NO: 1

- a) Operating Activities: c, e, f, g, j.
- b) Investing Activities: a, h.
- c) Financing Activities: b, d, i.

PROBLEM NO: 2

- a) As per AS 3 on 'Cash flow Statement', cash and cash equivalents consists of cash in hand, balance with banks and short-term, highly liquid investments. If investment, of Rs. 10 lacs, made in debentures is for short-term period then it is an item of 'cash equivalents'.

However, if investment of Rs. 10 lacs made in debentures is for long-term period then as per AS 3, it should be shown as cash flow from investing activities.

- b) **Cash Flow Statement from Investing Activities of
M/s Creative Furnishings Limited for the year ended 31-03-2017**

Cash generated from investing activities	Rs.	Rs.
Interest on loan received	82,500	
Pre-acquisition dividend received on investment made	62,400	
Unsecured loans given to subsidiaries	(4,85,000)	
Interest received on investments (gross value)	76,200	
TDS deducted on interest	(8,200)	
Sale of plant	74,400	
Cash used in investing activities (before extra ordinary item)		(1,97,700)
Extraordinary claim received for loss of plant		49,600
Net cash used in investing activities (after extra ordinary item)		(1,48,100)

NOTE:

- 1) Debenture interest paid and Term Loan repaid are financing activities and therefore not considered for preparing cash flow from investing activities.
- 2) Plant acquired by issue of 8% debentures does not amount to cash outflow, hence also not considered in the above cash flow statement.

PROBLEM NO: 3

X Ltd.

Cash Flow Statement for the year ended 31st March, 2015

(Using direct method)

(Rs. in '000)

Particulars	Amount (Rs.)	Amount (Rs.)
Cash flows from operating activities		
Cash receipts from customers	2,800	
Cash payments to suppliers	(2,000)	

Cash paid to employees	(100)	
Cash payments for overheads	(200)	
Cash generated from operations	500	
Income tax paid	(250)	
Net cash generated from operating activities		250
Cash flows from investing activities		
Payments for purchase of fixed assets	(200)	
Proceeds from sale of fixed assets	100	
Net cash used in investing activities		(100)
Cash flows from financing activities		
Proceeds from issuance of equity shares	300	
Bank loan repaid	(300)	
Dividend paid	(50)	
Net cash used in financing activities		(50)
Net increase in cash		100
Cash at beginning of the period		50
Cash at end of the period		150

PROBLEM NO: 4

Gamma Ltd.

Cash Flow Statement for the year ended 31st March, 2014

(Using direct method)

(Rs. in Crores)

Particulars	Amount (Rs.)	Amount (Rs.)
Cash flows from operating activities		
Cash sales (60% of 135)	81	
Cash receipts from Debtors $[45 + (135 \times 40\%) - 50]$	49	
Cash purchases (20% of 55)	(11)	
Cash payments to suppliers $[21 + (55 \times 80\%) - 23]$	(42)	
Cash paid to employees	(22)	
Cash payments for overheads (Adm. and selling)	(18)	
Cash generated from operations	37	
Income tax paid	(8)	
Net cash generated from operating activities		29
Cash flows from investing activities		
Sale of investments $(12 + 2.40)$	14.4	
Payments for purchase of fixed assets $(21 - 10)$	(11)	
Net cash used in investing activities		3.4
Cash flows from financing activities		
Redemption of debentures $(22 - 15)$	(7)	
Interest paid	(1.5)	
Dividend paid	(11.7)	
Net cash used in financing activities		(20.2)
Net increase in cash		12.2
Cash at beginning of the period		6.0
Cash at end of the period		18.2

PROBLEM NO: 5

Cash flow statement for the year ended 31st March, 2015 (Rs. in Crores)

Particulars	Amount (Rs.)	Amount (Rs.)
Cash flow from operating activities:		
Cash sales	131	
Cash collected from credit customers	67	
Less: Cash paid to suppliers for goods & services and to employees	(159)	
Cash from operations	39	
Less: Income tax paid	(13)	
Net cash generated from operating activities		26.00
Cash flow from investing activities:		
Payment for purchase of Machine	(40.00)	
Proceeds from sale of Machine	20.70	
Net cash used in investing activities		(19.30)
Cash flow from financing activities:		
Redemption of Preference shares	(16.00)	
Proceeds from issue of Equity shares	20.00	
Debenture interest paid	(1.00)	
Dividend Paid	(11.70)	
Net cash used in financing activities		(8.70)
Net decrease in cash and cash equivalents		(2.00)
Add: Cash and cash equivalents as on 01.04.2014		9.00
Cash and cash equivalents as on 31.03.2015		7.00

PROBLEM NO: 6

Direct method

Rs. in lakhs

Cash Receipts (a)	
Cash sales & Collection from debtors	
Sales + Opening Debtors - Closing Debtors (4,150 + 250-400)	4,000
Cash Payments (b)	
Cash purchases & Payment to creditors	
Purchases+ Opening Creditors - Closing creditors (2,400 + 230-250)	2380
Wages & salaries paid (800 + 40-50)	790
Cash Expenses (200 + 10-20)	190
Taxes paid - Advance tax	195
	3555
Cash Flow from Operating Activities (a-b)	445

In direct method

Rs. in lakhs

Profit before tax	710
Add : Non-cash items : Depreciation	100
Add : Interest : Financing cash outflow	60
Less : Interest and Dividend : Investment	100
Cash inflow	770

Less : Tax paid	195
Working Capital Adjustments	575
Debtors (250 - 400)	(150)
Inventories (180 - 200)	(20)
Creditors (250 - 230)	20
Outstanding wages (50 - 40)	10
Outstanding expenses (20 -10)	10
Cash Flow from Operating Activities	445

PROBLEM NO: 7

Cash Flow Statement of Mr. Shyam for the year ended 31-03-2010 (indirect Approach)

Particulars	Rs.	Rs.
CASH FLOW FROM OPERATING ACTIVITIES		
Profit before tax and extraordinary items	1,80,000	
Adjustments for		
Depreciation on Plant & Machinery (WN # 1)	72,000	
Loss on sale of Machinery (WN # 14)	8,000	
Operating profit before working capital charges	2,60,000	
Increase in current Assets		
Trade debtors	(80,000)	
Decrease in current Assets		
Stock	40,000	
Increase in current Liabilities		
Creditors	16,000	
Cash Generated from operations	2,36,000	
Less: Taxes paid	-	
Cash flow before extra-ordinary items	2,36,000	
Add / Less: Extra ordinary items	-	
Net cash flow from operating activities		2,36,000
CASH FLOW FROM INVESTING ACTIVITIES		
Sale of Machinery	20,000	
Purchase of Land	(1,40,000)	
Net cash flow from investing activities		(1,20,000)
CASH FLOW FROM FINANCING ACTIVITIES		
Repayment of Mrs. Shyam's loan	(1,00,000)	
Drawing (WN \$ 2)	(68,000)	
Loan from bank	40,000	
Net cash flow from financing activities		(1,28,000)
Net decrease in cash & cash equivalents		(12,000)

NOTE:

- 1) Cash and cash equivalents comprise cash in hand.
- 2) Reconciliation

Opening balance of cash & cash equivalents	40,000
Closing balance of cash & cash equivalents	<u>28,000</u>
Net decrease	<u>(12,000)</u>

Working Notes:

Working note.1

Plant & Machinery A/c

Particulars	Rs.	Particulars	Rs.
To Balance b/d	4,20,000	By Bank A/c (Sales)	20,000
		By Provision for Depreciation	12,000
		By Profit and Loss A/c	8,000
		By Balance c/d	3,80,000
	4,20,000		4,20,000

Provision for depreciation on Plant & Machinery A/c

Particulars	Rs.	Particulars	Rs.
To Plant & Machinery A/c	12,000	By Balance b/d	1,00,000
By Balance c/d	1,60,000	By Profit and Loss A/c	72,000
		Current year depreciation (Bal. fig)	
	1,72,000		1,72,000

Working note.2

Mr. Shyam's drawings.

Opening capital	5,00,000
Add: Net Profit	<u>1,80,000</u>
	<u>6,80,000</u>
Less: Closing capital	<u>(6,12,000)</u>
Drawings	<u>68,000</u>

PROBLEM NO: 8

Sun Ltd.

Cash Flow Statement for the year ended 31st March 20X1

Particulars	Amount (Rs.)	Amount (Rs.)
Cash flows from operating activities		
Net Profit before taxation	4,500	
Adjustments for:		
Depreciation	3,500	
Profit on sale of vehicles (1,700 - 1,000)	(700)	
Operating profit before working capital changes	7,300	
Increase in Trade receivables	(2,000)	
Increase in inventories	(3,000)	
Increase in Trade payables	1,500	
Cash generated from operations	3,800	
Income taxes paid (W.N.1)	(1,000)	

Net cash generated from operating activities		2,800
Cash flows from investing activities		
Sale of vehicles	1,700	
Purchase of vehicles (W.N.3)	(8,000)	
Purchase of fixtures (W.N.3)	(7,000)	
Net cash used in investing activities		(13,300)
Cash flows from financing activities		
Issue of shares for cash	10,000	
Dividends paid (W.N.2)	(1,000)	
Net cash from financing activities		9,000
Net decrease in cash and cash equivalents		(1,500)
Cash and cash equivalents at beginning of period (See Note 1)		9,500
Cash and cash equivalents at end of period (See Note 1)		8,000

Note to the Cash Flow Statement:**Cash and Cash Equivalents**

	31.3.20X1	31.3.20X0
Bank and Cash	6,000	8,500
Short-term investments	2,000	1,000
Cash and cash equivalents	8,000	9,500

Working Note:**1) Income taxes paid**

Particulars	Amount (Rs.)
Income tax expense for the year	1,500
Add: Income tax liability at the beginning of the year	1,000
	2,500
Less: Income tax liability at the end of the year	(1,500)
	1,000

2) Dividend paid

Particulars	Amount (Rs.)
Declared dividend for the year	2,000
Add: Amount payable at the beginning of the year	1,000
	3,000
Less: Amount payable at the end of the year	(2,000)
	1,000

3) Fixed Assets Acquisitions

Particulars	Fixtures	Vehicles
W.D.V. at 31.3.20X1	17,000	12,500
Add back:		
Depreciation for the year	1,000	2,500
Disposals	-	1,000
	18,000	16,000
Less: W.D.V. at 31.12.20X0	(11,000)	(8,000)
Acquisitions during 20X0-20X1	7,000	8,000

PROBLEM NO: 9

Cash flow statement of Lotus Ltd for the year ended 31.03.15

Particulars	Amount (Rs.)	Amount (Rs.)
1. Cash flows from operating activities		
Net profit before tax and extra ordinary items	1,35,000	
Add: Depreciation on Land & Buildings	20,000	
Depreciation on Plant & Machinery	55,000	
Operating profit before working capital changes	2,10,000	
Decrease in trade Payables (5,00,000 - 4,00,000)	(1,00,000)	
Decrease in inventory (3,00,000 - 2,80,000)	20,000	
Increase in trade receivable (4,20,000 - 4,00,000)	(20,000)	
Cash generated from operations	1,10,000	
Less: Income - Tax Raid	(45,000)	
Cash flow before extraordinary Items	65,000	
Less: Extraordinary Items	-	
Cash inflow from operating activities		65,000
2. Cash flows from investing activities		
Sales of Investments	60,000	
Purchase of machinery	(1,25,000)	(65,000)
Net cash out flow from Investing activities		
3. Cash flows from financing activities		
Proceeds from issue of equity share capital	1,50,000	
Repayment of long term loan	(1,00,000)	
Net Cash Inflow from Financing activities		50,000

WORKING NOTES:

1) Computation of net profit before tax and extraordinary items

Net profit for current year after appropriations [4,80,000 - 4,00,000] = Rs. 80,000

Add: Appropriations = -

Net profit before appropriations = Rs. 80,000

Add: provision for tax made during the current year = Rs. 55,000

= Rs. 1,35,000

2) Dr. Investment A/c Cr.

Particulars	Amount (Rs.)	Particulars	Amount (Rs.)
To Bal b/d	1,00,000	By Bank A/c (Bal. Fig)	60,000
To Capital Reserve (Profit on sales)	10,000	By Bal C/d	50,000
	1,10,000		1,10,000
To Bal b/d	50,000		

3) Dr. Prov. taxation A/c Cr.

Particulars	Amount (Rs.)	Particulars	Amount (Rs.)
To bank a/c (Bal. Fig)	45,000	By bal b/d	50,000
To bal c/d	60,000	By P & L A/c	55,000
	1,05,000		1,05,000

4) Dr. Land & Building A/c Cr.

Particulars	Amount (Rs.)	Particulars	Amount (Rs.)
To Bal b/d	4,00,000	By Depreciation A/c	20,000
		By bal c/d	3,80,000
	4,00,000		4,00,000
To bal b/d	3,80,000		

5) Dr. Machinery A/c Cr.

Particulars	Amount (Rs.)	Particulars	Amount (Rs.)
To bal b/d	7,50,000	By Depreciation A/c (Bal. fig)	55,000
To Bank a/c	1,25,000		
To Equity capital	1,00,000	By bal c/d	9,20,000
	9,75,000		9,75,000
To bal b/d	9,20,000		

PROBLEM NO: 10

Cash Flow Statement as per AS 3

(Rs. in Lakhs)

Cash flows from operating activities:	Amount (Rs.)	Amount (Rs.)
Net profit before tax provision		72,000
Add: Non cash expenditures:		
Depreciation	48,000	
Loss on sale of assets	96	
Interest expenditure (non-operating activity)	24,000	72,096
		1,44,096
Less: Non cash income		
Amortisation of capital grant received	(20)	
Profit on sale of investments (non-operating income)	(240)	
Interest income from investments (non-operating income)	(6,000)	6,260
Operating profit		1,37,836
Less: Increase in working capital		(1,34,580)
Cash from operations		3,256
Less: Income tax paid		(10,200)
Net cash generated from operating activities		(6,944)
Cash flows from investing activities:		
Sale of assets (444 - 96)	348	
Sale of investments (66,636+240)	66,876	
Interest income from investments	6,000	
Purchase of fixed assets	(44,184)	
Expenditure on construction work	(83,376)	
Net cash used in investing activities		(54,336)
Cash flows from financing activities:		
Grants for capital projects	36	
Long term borrowings	1,11,732	
Interest paid	(26,084)	
Dividend paid	(20,404)	
Net cash from financing activities		65,280
Net increase in cash		4,000
Add: Cash and bank balance as on 1.4.2016		12,000
Cash and bank balance as on 31.3.2017		16,000

PROBLEM NO: 11

Cash Flow Statement of Company A Ltd. for the year ending March 31,2015

	Rs.
Cash flows from Operating Activities	
Net Profits before Tax and Extra-ordinary Item	16,00,000
Add: Depreciation	6,00,000
Operating Profits before Working Capital Changes	22,00,000
Increase in Debtors	(1,80,000)
Decrease in Stock	16,80,000
Increase in Advances	(12,000)
Decrease in Sundry Creditors	(60,000)
Increase in Outstanding Expenses	2,40,000
Cash Generated from Operations	38,68,000
Income tax Paid	8,68,000
Net Cash from Operations (A)	30,00,000
Cash flows from investment activities	
Purchase of Land	(4,80,000)
Purchase of Buildings and Equipment	(28,80,000)
Sale of Equipment	3,60,000
Net Cash used in Investment Activities (B)	(30,00,000)
Cash flows from financing Activities	
Issue of Share Capital	8,40,000
Dividends Paid	(7,20,000)
Net Cash from Financing Activities (C)	1,20,000
Net increase in Cash and Cash Equivalents (A+B+C)	1,20,000
Cash and Cash Equivalents at the beginning	6,00,000
Cash and Cash Equivalents at the end	7,20,000

Dr. Building and Equipment Account Cr.

Particulars	Rs.	Particulars	Rs.
To Balance b/d	36,00,000	By Sale of Asset	7,20,000
To Cash/Bank (purchase)	28,80,000	By Balance c/d	57,60,000
(Balancing figure)			
	64,80,000		64,80,000
	0		

Dr. Accumulated Depreciation on Building and Equipment Account Cr.

Particulars	Rs.	Particulars	Rs.
To Sale of Asset (Accumulated depreciation)	4,80,000	By Balance b/d	12,00,000
To Balance c/d	13,20,000	By Profit and Loss (Provisional)	6,00,000
	18,00,000		18,00,000

Sale of Asset account

	Rs.
Original Cost	7,20,000
Less: Accumulated Depreciation	4,80,000
Net Cost	2,40,000
Profit on Sale of Asset	1,20,000
Sale Proceeds from Asset Sales	3,60,000

PROBLEM NO: 12

Cash flow statement of AA Ltd., for the year ended 31-03-2010

(Indirect Method)

(Rs. In Lakhs)

Liabilities	As on 01-04-2009	As on 31-03-2010
CASH FLOW FROM OPERATING ACTIVITIES		
Profit before tax and extraordinary items (WN 8)	398.0	
Adjustment for		
Loss of sale of fixed asset (WN 1)	1.4	
Depreciation (WN 1)	400.4	
Interest on debentures	63.0	
Operating profit before working capital changes	862.8	
Increase in inventories	(200)	
Increase in sundry debtors	(130)	
Increase in Sundry Creditors	40.0	
Increase in cash credit	30.0	
Cash generated from operations	602.8	
Taxes paid	(78)	
Cash flow before extraordinary items	524.8	
Extraordinary items	-	
Net cash flow from operating activities		524.8
CASH FLOW FROM INVESTING ACTIVITIES		
Purchase of fixed asset	(402)	
Sale of fixed asset	0.2	
Purchase of investments	(100)	
Net cash flow from investing activities		(501.8)
CASH FLOW FROM FINANCING ACTIVITIES		
Issue of shares (WN # 3)	220	
Issue of 14% debentures (450 – 400)	50	
Interest on 14% debentures (WN # 9)	(63)	
Payment of dividend	(150)	
Net cash flow from financing activities		57
Net increase in cash and cash equivalents		80

NOTES:

1) Cash & cash equivalents comprise cash in hand and balances with bank.

2) Reconciliation of cash and cash equivalents

Opening balance	50
Closing balance	<u>130</u>
Net Increase	<u>80</u>

Working Notes:

WN 1: Fixed Assets

Fixed Assets A/c

Particulars	Rs.	Particulars	Rs.
To Balance b/d	1,600	By Sale of asset A/c	2
To Bank A/c	402	By Balance c/d	2,000
	2,002		2,002

Provision for depreciation

Particulars	Rs	Particulars	Rs.
To Sale of asset A/c	0.4	By Balance b/d	320.0
To Balance c/d	720.0	By profit and loss (current year depreciation)	400.4
	720.4		720.4

Sale of asset a/c

Particulars	Rs	Particulars	Rs.
To fixed asset	2.0	By provision for depreciation	0.4
		By bank a/c	0.2
		By profit and loss a/c (loss on sale)	1.4
	2.0		2.0

WN 2:

Investments- purchase of investments -100 lakhs

WN 3: share capital Rs 200 lakhs

Issue of shares Rs 20 lakhs

Securities premium Rs 220 lakhs

WN :4 debentures

Issue of 14% debentures Rs 50 lakhs

WN :5 dividend

Proposed dividend a/c

Particulars	Rs	Particulars	Rs
To bank a/c	150	By balance b/d	150
To balance c/d	240	By profit and loss a/c (bal fig)	240
	390		390

WN :6 tax

Provision for tax a/c

Particulars	Rs	Particulars	Rs
To bank (tax paid for 2008-2009)	8	By balance b/d	10
To general reserve	2	By profit and loss a/c	90
To bank a/c (advance tax)	70		
To balance c/d	20		
	100		100

WN :7 general reserve

general reserve

Particulars	Rs	Particulars	Rs
To balance c/d	750	By balance b/d	700
		By provision for tax a/c	2
		By profit and loss a/c	48
	750		750

WN :8 profit before tax & extra ordinary items

particulars	Rs
Increase in profit and loss a/c	20
Add: transfer to general reserve WN # :7	48
Dividend declared during the year	240
Profit after tax	308
Add: provision for tax	90
Profit before tax and extra ordinary items	398

WN :9 interest on debentures

interest on debentures =450 lakhs x 14% =63 lakhs

Note: debentures are assumed to be issued at the beginning of the year**PROBLEM NO: 13****Cash flow Statement for the year ending 31st March, 2016**

	Particulars	Rs.	Rs.
1.	Cash Flow from Operating Activities		
	Closing balance as per Profit and Loss Account (A)		27,000
	Less: Opening balance as per Profit and Loss Account		(18,000)
	Add: Dividend declared during the year		37,000
	Add: Interim dividend paid during the year		10,000
	Add: Transfer to reserve		10,000
	Add: Provision for Tax		32,000
	Net profit before taxation, and extraordinary item (B)		98,000
	Add: Items to be added (C)		
	Depreciation	18,000	
	Loss on sale of Plant	3,000	
	Goodwill written off	13,000	34,000
	Less: Dividend Income (D)		(1,500)
	Operating profit before working capital changes [B + C - D] = E		1,30,500
	Add: Decrease in Current Assets and Increase in		

	current Liabilities (F)		
	Decrease in Inventories	7,000	
	Increase in Trade Payables	21,000	28,000
	Less: Increase in Trade Receivables (Gross) (G)		(33,000)
	Cash generated from operations (E+F-G) = H		1,25,500
	Less: Income taxes paid (I)		(28,000)
	Net Cash from operating activities (J)		97,500
2.	Cash Flows from investing activities:		
	Purchase of Plant		(1,34,000)
	Sale of Land		50,000
	Sale of plant		12,000
	Purchase of investments		(25,600)
	Dividend Received		2,100
	Net cash used in investing activities		(95,500)
3.	Cash Flows from Financing Activities:		
	Proceeds from issuance of share capital		1,00,000
	Redemption of preference shares		(50,000)
	Interim Dividend paid		(10,000)
	Final dividend paid		(27,000)
	Net cash from financing activities		13,000
4.	Net increase in cash and cash equivalents (I+II+III)		15,000
5.	Cash and cash equivalents at beginning of Period		17,000
6.	Cash and cash equivalents at end of period (IV+V)		32,000

1) Dr. Land and Building Account Cr.

Particulars	Amount (Rs.)	Particulars	Amount (Rs.)
To Balance b/d	1,00,000	By Bank A/c (Sale)	50,000
To Capital Reserve A/c(Profit on sale/revaluation)	25,000	By Balance c/d	75,000
	1,25,000		1,25,000

2) Dr. Plant and Machinery Account Cr.

Particulars	Amount (Rs.)	Particulars	Amount (Rs.)
To Balance b/d	90,000	By Depreciation A/c	18,000
To Bank A/c (Purchase)	1,34,000	By Bank A/c (sale)	12,000
		By Profit and Loss A/c(Loss on sale)	3,000
		By Balance c/d	1,91,000
	2,24,000		2,24,000

3) Dr. Investment Account Cr.

Particulars	Amount (Rs.)	Particulars	Amount (Rs.)
To Balance b/d	10,000	By bank A/c (Div. received)	600
To bank A/c (Purchase)	25,600	By Balance c/d	35,000
Total	35,600		35,600

PROBLEM NO: 14

Cash Flow Statement of PQ Ltd.

Particulars	Rs.	Rs.
Cash flow from Operating Activities		
Net Profit	1,50,000	
(+) Interest on Debentures	12,000	

(+) Loss on sale of plants & Machinery	3,000	
(+) Depreciation	45,000	
Operating Profit before working capital change	2,10,000	
(+) Working Capital Change		
Increase in Debtors	(90,000)	
Increase in Stock	(77,000)	
Increase in Creditors	25,000	
Increase in Provision for Bad & Doubt Full dobt	7,000	
Net Cash inflow from operating activities		75,000
Cash Flow from Investing Activities		
Purchase of Plant & Machinery	(1,35,000)	
Sale of plant & machinery	7,000	
Purchase of trade Investment	(90,000)	
Sale of free hold property	7,000	
Net cash outflow from Investing Activities		(2,11,000)
Cash Flow from Financing Activities	1,00,000	
Issued of 12% Debentures	(50,000)	
Payment of Dividend	12,000	
Payment of Interest on 12% Debenture		38,000
Net cash flow from financing activities		98,000

Plant & Machinery A/c

Particulars	Rs.	Particulars	Rs.
To Bank A/c (b/f)	1,35,000	By Asset disposal A/c	25,000
		By Balance c/d	1,10,000
	1,35,000		1,35,000

Asset disposal A/c

Particulars	Rs.	Particulars	Rs.
To Plant & Machinery	25,000	By Provision for Depreciation A/c	15,000
		By Bank A/c	7,000
		By P & L A/c	3,000
	25,000		25,000

Provision for Depreciation A/c

Particulars	Rs.	Particulars	Rs.
To Asset disposal A/c	15,000	By P & L A/c	45,000
To Balance c/d	30,000		
	45,000		45,000

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SOLUTIONS FOR SELF PRACTICE

PROBLEM NO: 1

An Extract of Cash Flow Statement for the year ending 31.03.20X2

Particulars	Amount (Rs.)
Closing balance as per Profit & Loss A/c	90,000
Less: Opening balance as per Profit & Loss A/c.	(50,000)
Add: Goodwill amortisation	25,000
Add: Discount on issue of Debentures	10,000
Interest on Debentures	75,000
Net Cash from Operating Activities	1,50,000
Cash flows from financing activities:	
Proceeds from debentures	2,15,000
Interest paid on Debentures [less unpaid]	(70,000)
Net Cash from Financing Activities	1,45,000

Working Note:

(i) Dr. **Discount on issue of Debentures Account** Cr.

Particulars	Amount (Rs.)	Particulars	Amount (Rs.)
To Balance b/d	90,000	By Profit & Loss A/c (w/o)	10,000
To 15% Debentures A/c (B/f)	35,000	By Balance c/d	1,15,000
	1,25,000		1,25,000

(ii) Dr. **15% Debentures Account** Cr.

Particulars	Amount (Rs.)	Particulars	Amount (Rs.)
To Balance C/d	5,00,000	By Balance B/d	5,00,000
		By Bank A/c (Bal. fig.)	2,15,000
		By Discount on issue of Debentures A/c	35,000
	7,50,000		7,50,000

PROBLEM NO: 2

Generally, the performance of any business organization is determined by cash generating ability. The cash generating ability of enterprise can be identified from the following three activities.

- a) Cash Flow from Operating Activities,
- b) Cash Flow from Investing Activities,
- c) Cash Flow from Financing Activities.

The organization which generates more cash from Operating Activities than Investing & Financing is said to be better cash generating ability.

In the given Case,

Activities	Total Cash Flow of A Ltd.	Total Cash Flow of B Ltd.
Operating	5,000	30,000
Investing	20,000	3,000
Financing	20,000	3,000
TOTAL	45,000	36,000

Even though cumulative cash flow of A Ltd is higher than cumulative cash flow of B Ltd, But the Operating Cash Flow of A Ltd is less than Operating Cash Flow of B Ltd.

There by, B Ltd has better cash generating capacity.

PROBLEM NO: 3

Cash Flow Statement for the year ended 31st March, 2010

	Amount (Rs.)	Amount (Rs.)
I. Cash flow from operating activities		
Cash receipts from customers (W.N.1)	32,03,000	
Less: Cash paid to suppliers and payment for expenses (W.N.3)	(20,43,000)	
Cash generated from operations	11,60,000	
Income tax paid (Rs.3,30,000 - Rs.22,500)	(3,07,500)	
Net cash from operating activities		8,52,500
II. Cash flows from investing activities		
Sale of furniture	12,000	
Purchase of machinery	(3,30,000)	
Net cash used in investing activities		(3,18,000)
III. Cash flow from financing activities		
Proceeds from issue of equity shares	7,20,000	
Redemption of 8% preference shares	(10,30,000)	
Dividend paid (Rs.40,000 + Rs.1,10,000)	(1,50,000)	
Dividend distribution tax paid	(22,500)	
Net cash used in financing activities		(4,82,500)
Net increase in cash and cash equivalents		52,000
Add: Cash and cash equivalents as on 31st March, 2009 (Bal. fig.)		73,000
Cash and cash equivalents as on 31st March, 2010		1,25,000

- 1) **Working Notes: 1. Cash receipt from customers:** Credit sales = Total sales Rs.32,00,000 - Cash sales Rs.11,50,000 = Rs.20,50,000

Dr. Total Debtors Account Cr.

Particulars	Amount (Rs.)	Particulars	Amount (Rs.)
To Balance b/d	1,50,000	By Cash/Bank (Bal. fig.)	20,53,000
To Credit sales	20,50,000	By Balance c/d	1,47,000
	22,00,000		22,00,000

Total sale receipts = Rs.20,53,000 + Rs.11,50,000 = Rs.32,03,000

- 2) **Cash payment to suppliers:**

Credit Purchases = Total purchases Rs.8,00,000 - Cash purchases Rs.60,000 = Rs.7,40,000

Dr. Total Creditors Account Cr.

Particulars	Amount (Rs.)	Particulars	Amount (Rs.)
To Cash/Bank (Bal. fig.)	7,35,000	By Balance b/d	78,000
To Balance c/d	83,000	By Credit purchases	7,40,000
	8,18,000		8,18,000

Total payments to suppliers = Rs.7,35,000 + Rs.60,000 = Rs.7,95,000

3) Cash paid to suppliers and payment for expenses:

Particulars	Amount (Rs.)
Outstanding expenses as on 31.3.2009	63,000
Add: Expenses charged to profit and loss account	12,40,000
	13,03,000
Less: Outstanding expenses as on 31.3.2010	55,000
Payment on account of expenses	12,48,000

Total of payment to suppliers and payment for expenses = Rs.7,95,000 + Rs.12,48,000 = Rs. 20,43,000

PROBLEM NO: 4

Calculation of Cash & Cash Equivalence as on 31-03-2019

Particulars	Rs.	Rs.
1. Bank Balance		
Balance as per bank statement	25,000	
(+) Cheque issued but not presented in the bank	15,000	40,000
2. Bank balance in foreign currency A/c \$1,000 x Rs. 70 / USD		70,000
3. Short term investments		
Short term investment in highly liquid sovereign debt mutual fund	1,00,000	1,00,000
Cash & Cash equivalence as on 31-03-2019		2,10,000

Notes:

- 1) Short term investment in liquid equity share of ABC Ltd is subject to risk & returns so it not be considered as cash equivalence.
- 2) Fixed deposits are not liquid in nature so it is also not considered as cash equivalents.

PROBLEM NO: 5

Indirect Method

Cash flow from operating activities for the year ended 31st March, 2015

Particulars	Amount (Rs.)	Amount (Rs.)
Net Profit as per Profit & Loss A/c		8,08,900
Add: Dividend payable		72,000
Add: Transfer to reserve		87,000
Add: Provision for Tax made during the Current Year		1,25,000
Less: Refund of tax		(3,000)
Less: Extraordinary items (i.e. Insurance Claim - Major Fire Settlement)		(1,00,000)
Net Profit before taxation, and extraordinary items		9,89,900
Add: Depreciation		86,700
Add: Patents written off		35,000
Less: Profit on sale of investments		(10,000)
Operating profit before working capital changes		11,01,600
Increase in Inventory	(40,000)	
Increase in trade receivables	(67,500)	
Increase in trade payables	63,790	
Decrease in prepaid expenses	2,850	(40,860)

Cash generated from operations		10,60,740
Income taxes paid (net of refund)		1,15,775
Cash flow before extraordinary item		9,44,965
Insurance claim recovery (major fire settlement)		1,00,000
Net cash from operating activities		10,44,965

PROBLEM NO: 6**Cash Flow Statement of A (P) Ltd. for the year ended 31st March 2015**

Particulars	Amount (Rs.)	Amount (Rs.)
Cash flows from operating activities		
Profit before tax	5,90,000	
Adjustments for		
Depreciation	2,20,000	
Interest paid	1,40,000	
Dividend received	(50,000)	
Operating profit before working capital changes	9,00,000	
Add:		
Decrease in trade receivables	70,000	
Increase in trade payables	50,000	
	10,20,000	
Less: Increase in inventory	(20,000)	
Cash generated from operations	10,00,000	
Less: Tax paid	(2,60,000)	
Cash flow from operating activities		7,40,000
Cash flows from investing activities		
Purchase of fixed assets [20,00,000 + 2,20,000 - 17,00,000]	(5,20,000)	
Dividend on investments	50,000	
Cash used in investing activities		(4,70,000)
Cash flows from financing activities		
Long term loan taken	60,000	
Interest paid	(1,40,000)	
Dividend paid	(1,80,000)	
Cash used in financing activities		(2,60,000)
Net increase in cash during the year		10,000
Add: Opening cash balance		60,000
Closing cash balance		70,000

PROBLEM NO: 7

Harry Ltd.

Cash Flow Statement**for the year ended 31st March, 2018**

Particulars	Amount	Amount
Net Profit before taxation	8,000	
Adjustments for:		
Depreciation (1,000 + 2,000 + 5,000)	8,000	
Profit on sale of Investment	(8,000)	
Profit on sale of car	(1,400)	
Operating profit before working capital changes	6,600	
Increase in Trade receivables	(2,000)	
Increase in inventories	(6,000)	
Increase in Trade payables	3,000	

Cash generated from operations	1,600	
Income taxes paid	(2,000)	
Net cash generated from operating activities (A)		(400)
Cash flows from investing activities:		
Sale of car	3,400	
Purchase of car	(16,000)	
Sale of Investment	10,000	
Purchase of Investment	(6,000)	
Purchase of Furniture & fixtures	(14,000)	
Net cash used in investing activities (B)		(22,600)
Cash flows from financing activities		
Issue of shares for cash	20,000	
Dividends paid*	(2,000)	
Net cash from financing activities(C)		18000
Net decrease in cash and cash equivalents (A + B +C)		(5000)
Cash and cash equivalents at beginning of period		<u>17,000</u>
Cash and cash equivalents at end of period		12,000

THE END

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