FINAL – November 2017

FINANCIAL REPORTING

Test Code – P 68

Branch (MULTIPLE) (Date : 17.09.2017)

(50 Marks)

Note: All questions are compulsory.

Question 1(9 marks)

Total value of business as on 31.03.2015 (2 marks)

	` *in thousands*
Closing Capital Employed as on 31.3.2015	16,960
Less: Goodwill appearing in the Balance Sheet as purchased Goodwill	(2,400)
Add: Goodwill	8,225
Total Value of Business	22,785

Working Notes:

1. Calculation of Average Capital Employed (3 marks)

	31.3.2013 ` *in thousands*	31.3.2014 ` *in thousands*	31.3.2015 ` *in thousands*
Purchased Goodwill*	4,000	3,200	2,400
Tangible Assets	7,200	8,000	8,800
Inventories	4,800	5,600	6,400
Trade Receivables	80	640	1,760
Cash & Cash Equivalents	480	800	1,600
	16,560	18,240	20,960
Less: Trade payables	(2,400)	(3,200)	(4,000)
Closing Capital	14,160	15,040	16,960
Add: Opening Capital Employed	14,640	14,160	15,040
Total	28,800	29,200	32,000
Average Capital Employed	14,400	14,600	16,000

*Since the goodwill has been purchased, it is taken as a part of Capital employed. However, writing off of the goodwill is an extra-ordinary item, therefore not considered while calculating Future Maintainable Profit.

2. Valuation of Goodwill (2 marks)

(i) **Future Maintainable Profit**

			31.3.2013 ` *in thousand*	31.3.2014 ` *in thousands*	31.3.2015 ` *in thousands*

		s		
	Future Maintainable Profit	1,680	2,480	3,280
	Less : Opening Profit	(480)	(560)	(640)
	Add: Appreciation of closing inventory	800	800	800
	Less: Appreciation of opening inventory	-	(800)	(800)
	Add: Transferred to General Reserve	800	800	800
	Goodwill written off		800	800
		2,800	3,520	4,240
	Less: Normal Return @ 12.5% on ACE	(1,800)	(1,825)	(2,000)
(ii)	Super Profit	1,000	1,695	2,240

(iii) Average super profit = (1000+1695+2240)/3 = 1645 thousands **(1 marks)**

(iv) **Value of Goodwill** at five years' purchase

= ` 1,645 thousands × 5 = ` 8,225 thousands **(1 mark)**

Question 2(9 Marks)

Market Share of Agile Ltd. (2 marks)

Calculation of Last year's market share = 100% –63% = 37%

Increase or decrease in market share of other players [0.25+(.25 x 150%) -2.5/5] = 0.125% i.e. increase in others' market share every year over the period of 5 years. Hence, market share of Agile Ltd. is expected to decrease by 0.125% every year over the period of 5 years, from the current level of 37%.

Brand Valuation under Market Approach (7 marks)

Year	*Market Size (` in Crore)*	*Market Share of Agile Ltd.*	*Market Share (` in Crores)*	*Expected Profit (` in Crores)*	*Discount Factor*	*Discounted Cash Flow (` in Crores)*
1	7500 x 109% = 8,175	36.875%	3014.53	@ 10% = 301.45	0.909	274.02
2	8,175 x 109% = 8910.75	36.75%	3274.70	@ 13% = 425.71	0.826	351.64
3	8,910.75x 109% = 9712.72	36.625%	3557.28	@18% = 640.31	0.751	480.87
4	9,712.72 x 109% = 10,586.86	36.5%	3864.20	@23% = 888.77	0.683	607.03

5	10,586.86 x 109% = 11,539.68	36.375%	4197.56	@28% = 1,175.32	0.621	729.87
	Brand Value					2,443.43

Brand Value of Agile Ltd. under Market Oriented Approach is 2,44 3.43 crores.

Question 3 (16 Marks)

Balance sheet of XY Ltd.

As on 31st March ,2015 **(3 marks)**

Particulars	**Note No.**	**(Rs.)**
I Equity and Liability		
1. Shareholders fund		
a) Share capital	**1**	927.50
b) Reserves and Surplus	**2**	2060.41
2. Non –Current Liabilities		
Long term borrowings	**3**	65.00
3. Current liabilities		
Trade payable	**4**	240.00
Total		3,292.91
II Assets		
(1)Non-current Assets		
(a) Fixed Assets		
Tangible Assets	**5**	1,377
(2) Current Assets		
a) Inventories	**6**	599
b) Trade receivables	**7**	615
c) Cash & Cash equivalents	**8**	701.91
Total		3,292.91

Notes to Accounts

		(Rs.in lacs)	**(Rs. In lacs)**
1.	Share Capital **(1 marks)**		
	Authorized share capital		
	70lacs Equity shares @Rs.10 each		**700**
	4 lacs 15% Preference shares @Rs.100each		**400**
			1,100
	Issued share capital		
	52.75 lacs Equity Shares of Rs.10each	527.50	
	4lacs 15% Preference shares of 100 each	400.00	927.50
	(Out of the above 51.75 lacs Equity shares and 4 lacs Preference shares are issued for consideration other than cash)		
2.	Reserve and surplus**(1/2 marks)**		
	Capital Reserve (W.N.1)	740.00	

	Securities Premium (W.N.5)	1,328.50	
	Profit and Loss A/c(Incorporation expenses)	(8.09)	2,060.41
3.	Long Term Borrowings**(1/2 mark)**		
	15% Debenture of Rs.100 each		
	X Ltd.	41.67	
	Y Ltd.	23.33	65.00
4.	Trade payable**(1/2mark)**		
	X Ltd.	165.00	
	Y Ltd.	75.00	240.00
5.	Tangible assets**(1/2 mark)**		
	Land & Building		
	X Ltd.	517.00	
	Y Ltd.	330.00	847.00
	Plant & Machinery		
	X Ltd.	310.00	
	Y Ltd.	220.00	530.00
			1,377.00
6.	Inventories**(1/2 mark)**		
	X Ltd.	345.00	
	Y Ltd.	254.00	599.00
7.	Trade Receivable **(1/2 mark)**		
	X Ltd.	345.00	
	Y Ltd.	270.00	615.00
8.	Cash and Cash equivalents**(1 mark)**		
	X Ltd.(W.N.2)	397.00	
	Y Ltd.(W.N.2)	303.00	700.00
	Received from subscribes of shares	10.00	
	Less : Incorporation expenses paid	(8.09)	1.91
			701.91

Note:As per AS 26 preliminary expenses are charged to Profit and Loss account in the year in which it is incurred .Accordingly , the treatment for incorporation expense has been done.

Working Note

1. **Calculation of Capital on amalgamation (3 marks)**

				(Rs. In lacs)
		X Ltd.		**Y Ltd.**
Assets taken over:				
Land and Building	(470 x 110%)	517		330
Plant and Machinery		310		220
Inventory		345		254
Trade receivables		345		270
Cash and Bank(W.N.2)		397		303
		1,914		1,377
Less :Liabilities taken over:				
13% Debentures(W.N.3)	41.67		23.33	
Trade payables	165.00	(206.67)	75.00	(98.33)
Net Assets taken over		1707.33		1,278.67
Less :Purchase consideration (W.N.4)		(1,400)		(846)
Capital Reserve		307.33		432.67
Total capital reserve (307.33 + 432.67) =740.00 lacs				

2. **Calculation of Cash and Cash Equivalents(1 mark)**

	X Ltd.	**Y Ltd.**
	Rs. in lacs	**Rs. in lacs**
Balance as per Balance Sheet	355.00	251.00
Less: Payment for unsecured loans	(25.00)	-
Add: Receipt from sale of investments	67.00	52.00
	397.00	303.00

3. **Calculation of 15% Debentures issued by XY Ltd. (1 mark)**

	X Ltd.	**Y Ltd.**
	Rs. in lacs	**Rs. in lacs**
$50 \times \frac{12.5}{15}$	41.67	
$28 \times \frac{12.5}{15}$		23.33

4. **Calculation of Purchase consideration (On Payment Basis) (2 marks)**

			(Rs.In lacs)
		X Ltd.	**Y Ltd.**
(1)	15%Prefernce Shares:		
	(4.20/3)x2 =2.80 lacs shares@125 each	350	
	(1.80/3)x2=1.20lacs shares @125 each		150
2.	Equity Shares:		
	(4 x 7,50,000) = 30,00,000 equity shares @Rs.35 each	1050	
	(3 x 7,50,000) = 21,75,000 equity shares @Rs.32 each		696
		1,400	846

5. **Calculation of Securities Premium(1 mark)**

	Rs. In Lacs
15% Preference Shares issued at premium of Rs. 25 each (4lacs x Rs.25 each)	100
Equity shares issued to – X Ltd.(30 lacs x Rs. 25 each)	750
Y Ltd. (21.75 lacs x Rs. 22 each)	478.50
	1328.50

Question 4(16 Marks)
Balance Sheet of A Ltd. (after absorption of B Ltd.) as on 31st March,2015 (2 marks)

Particulars	**Note No.**	**(Rs.)**
I Equity and Liability		
4. Shareholders fund		
a) Share capital	**1**	49,73950
b) Reserves and Surplus	**2**	7,56,040
5. Non –current liabilities		
Long term borrowings		8,00,000
Current liabilities		9,80,000
Total		75,09,990
II Assets		

Non-current Assets		
Fixed Assets		
Tangible Assets(Rs.30,50,000+ Rs.7,30,000)		37,80,000
Current Assets		
a) Inventories		13,90,000
b) Trade receivables		17,20,000
c) Cash and Cash equivalents		6,19,990
		75,09,990

Notes to Accounts: (2 marks)

		Rs.	Rs.
1.	**Share Capital** 4,97,395 Equity Shares of Rs.10 each fully paid (out of which 47,395 shares were allotted to vendors for consideration other than cash)		**49,73,950**
2.	**Reserves and surplus**		
	General Reserve	**4,46,000**	
	Profit and loss account	**2,38,000**	
	(Rs.6,34,000- Rs.3,60,000-Rs. 36,000)		
	Securities premium reserve (47,395 shares x Rs.1.52)	**72,040**	**7,56,040**

Working Notes:

(1) Computation of Net Assets(excluding inter-company investments) (2 marks)

	A Ltd.	B Ltd.
	Rs.	Rs.
Total Assets		
Assets Excluding invest	57,84,000	20,50,000
Dividend receivable	-	72,000
(A)	57,84,000	21,22,000
External Liabilities		
Current Liabilities	6,00,000	3,80,000
Proposed dividend	3,60,000	-
Dividend distribution tax@10%	36,000	-
10% Debentures	-	8,00,000
(B)	9,96,000	11,80,00
Net Assets(A) –(B)	47,88,000	9,42,000

Note: (1) **Dividend distribution tax has been calculated without grossing up.**

(2) Since the Preference Shares of B Ltd. Do not have priority over the payment of capital and dividend ,they have to be treated at par with the equity shares .Both types of shares have the same paid up value.

(2). In view of the above , the proration of shareholding in B Ltd. Is worked out , as follows: **(2 marks)**

(a) A Ltd. in B Ltd.

$$\frac{\text{Number of shares held by B Ltd.}}{\text{Total numberof Euity and Prefernce Shares of B Ltd.}} = \frac{30{,}000}{1{,}00{,}000 + 50{,}000} = \frac{1}{5}$$

(a) **B Ltd. in A Ltd.**

$$\frac{\text{Number of shares held by B Ltd.}}{\text{Total numberof Euity A Ltd.}} = \frac{90{,}000}{4{,}50{,}000} = \frac{1}{5}$$

(3)Calculation of intrinsic value of shares:(2 marks)

Let ‘a’ be the intrinsic value of shares of A Ltd. And ‘b’ be the intrinsic value of

Shares of B Ltd.

Now, a =Rs.47,88,000 +1/5 x b

B =Rs.9,42,000+1/5 x a

By substituting the value of a in b , we get

b =Rs.9,42,000 + 1/5(Rs.47,88,000 +1/5 x b)

b =Rs.9,42,000 + 9,57,600 + b/25

$\frac{24\text{ b}}{25}$ =Rs.18,99,600

$$\text{b} = \frac{\text{Rs.}18{,}99{,}600 \times 25}{24}$$

$\text{b} = \text{Rs. } 19{,}78{,}750$

a=Rs.47,88,000 +$\frac{19{,}78{,}750}{5}$ =Rs.51,83,750

Intrinsic value of shares of A. Ltd. =$\frac{\text{Rs.}51{,}83{,}750}{4{,}50{,}000}$=11.52

Intrinsic value of shares of B. Ltd. =$\frac{\text{Rs.}19{,}78{,}750}{1{,}00{,}000+50{,}000}$=Rs.13.19

(4)Calculation of Purchase Consideration : (2 marks)

No. of shares held by outside shareholders of B Ltd.

=1,00,000 -30,000 +50,000 = 1,20,000

Intrinsic value of shares = 1,20,000 x Rs. 13.19 per share

= 15,82,800

Shares to be issued on the basis of Intrinsic value of shares

= $\frac{\text{Rs.}15{,}82{,}800}{\text{Rs.}11.52}$	=1,37,395.83 shares
Less :Shares already held by A Ltd.	=90,000.00 shares
Number of shares to be issued	= 47,395.83 shares

(5) Total Purchase price**(1 mark)**

	Rs.
Additional shares in A.Ltd.(47,395 shares of Rs.11.52)	5,45,990
Cash for fractional shares(0.83 x Rs.11.52)	10
Value of 30,000 shares already held by A Ltd.	5,46,000
(30,000 shares x Rs.13.19)	3,96,000*
Total	9,42,000

*Approximate figure has been considered.

(6) General Reserve **(1 mark)**

	Rs.
As per balance sheet	3,50,000
Add: Appreciation in the of shares held B Ltd.	
(Rs.3,96,000 –Rs.3,00,000)	96,000
Closing balance	4,46,000

(7) Bank Balance**(2 marks)**

		A Ltd.	**B Ltd.**
		Rs.	**Rs.**
As per balance sheet		6,24,000	3,20,000
Dividend received		-	72,000
		6,24,000	3,92,000
Less : Dividend Payment	3,60,000		
Dividend tax @10%	36,000		
Cash for fraction shares	10	(3,96,010)	-
		2,27,990	3,92,000
Total bank balance			6,19,990

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