Mock Test Paper - Series I: November, 2025

Date of Paper: 18th November, 2025

Time of Paper: 10 P.M. to 1 P.M.

# INTERMEDIATE COURSE: GROUP - I PAPER - 1 : ADVANCED ACCOUNTING ANSWERS

#### PART I - Case Scenario based MCQs

- 1. B
- 2. D
- 3. A
- 4. C
- 5. B
- 6. B
- 7. A
- 8. B
- 9. B
- 10. B
- 11. C
- 12. A
- 13. C
- 14. C
- 15. B

#### **PART II – Descriptive Questions**

#### 1. (a) Cash Flow from Operating Activities

	₹
Difference between Profit and Loss Account ₹ (37,800 + 5,400)	43,200
Add: Transfer to General Reserve (81,000-54,000)	27,000

Add: Adjustment for Provision for taxation	<u>1,62,000</u>
Profit Before tax	2,32,200
Add: Adjustment for Depreciation (₹ 1,62,000 – ₹ 1,29,600)	32,400
Add: Adjustment for provision for doubtful debt (₹ 54,000 – ₹ 27,000)	27,000
Add: Debenture Interest Paid ₹ (1,18,800 × 12%)	14,256
Less: Income from Investments (54,000 × 8%)	(4,320)
Operating Profit before Working Capital changes	3,01,536
Decrease in Inventories ₹ (1,35,000-81,000)	54,000
Increase in Trade receivables ₹ (2,61,360-81,000)	(1,80,360)
Decrease in Trade payables ₹ (1,29,600-1,18,800)	(10,800)
Cash generated from operations	1,64,376
Income tax paid	(2,48,400)
Net Cash generated from Operating Activities	(84,024)

#### **Provision for taxation account**

		₹		₹
То	Cash (Paid) (Balancing figure)	2,48,400	By Balance b/d	2,21,400
То	Balance c/d	1,35,000	By Profit and Loss A/c	1,62,000
		3,83,400		3,83,400

## (b) (i) Computation of borrowing cost to be capitalized for specific borrowings and general borrowings based on weighted average accumulated expenses

Date of incurrence of expenditure	Amount spent	Financed through	Calculation	₹
1st April 2024	4,00,000	Specific borrowing	4,00,000 x 12% x 10/12	40,000
1st August 2024	10,00,000	Specific borrowing	10,00,000 x 12% x 10/12	1,00,000
1st December 2024	25,00,000	General borrowing	25,00,000 x 10.8% x 2/12	45,000

31st January 2025	5,00,000	General borrowing	5,00,000 x 10.8% x 0/12	Nil
				1,85,000
Less: interest income on borrowing				(15,000)
Total amount borrowing cost to be capitalized			1,70,000	

#### (ii) Journal Entry

Date	Particulars	₹	₹
31.1.2025	Building account Dr.	45,70,000	
	To Bank account		44,00,000
To Interest payable (borrowing cost)			1,70,000
	(Being expenditure incurred on construction of building and borrowing cost thereon capitalized)		

#### (iii) Depreciation on building for the year ending 31.3.2025

Cost of building 45,70,000 Life of building = 20 years

Depreciation =  $(45,70,000/20) \times 2/12 = 38,083.33$ 

#### (iv) Carrying Value of Building on 31st March 2025:

Carrying Value = Cost of Building - Accumulated Depreciation

= 45,70,000- 38,083.33

= 45,31,917

#### **Working Notes:**

### 1. Calculation of capitalization rate on borrowings other than specific borrowings

Amount of Ioan (₹)	Rate of interest		Amount of interest (₹)
20,00,000	15%	=	3,00,000
30,00,000	8%	=	<u>2,40,000</u>
50,00,000			<u>5,40,000</u>

1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	rate of	=	10.8%*
interest $\left(\frac{5,40,000}{50,00,000} \times 100\right)$			

2. Total expenses to be capitalized for building

	₹
Cost of building ₹ (4,00,000 + 10,00,000 + 25,00,000 + 5,00,000)	44,00,000
Add: Amount of interest to be capitalized	1,70,000
	45,70,000

2. (a) As per AS 2 'Valuation of Inventories', most by-products as well as scrap or waste materials by their nature, are immaterial. They are often measured at net realizable value and this value is deducted from the cost of the main product.

Determination of value of closing inventory of Polyester and Nylon

	Polyester	Nylon
Closing inventory in units	1,600 units	400 units
Cost per unit	₹ 31.14	₹ 18.68
Value of closing inventory	₹ 49,824	₹ 7,472

#### **Working Notes**

1. Calculation of net realizable value of by-product, Fiber

		₹
Selling price of by-product Fiber	(3,200 units x ₹ 40 per unit)	1,28,000
Less: Separate processing charges of by-product Fiber		(10,000)
Packing charges		<u>(9,000)</u>
Net realizable value of by-product Fiber		<u>1,09,000</u>

2. Calculation of cost of conversion for allocation between joint products Polyester and Nylon

	₹	₹
Raw material		3,50,000
Wages		1,60,000

Fixed overhead  Variable overhead		1,20,000 60,000
		6,90,000
Less: NRV of by-product Fiber (W.N. 1)	(1,09,000)	
Sale value of scrap	<u>(5,000)</u>	<u>(1,14,000)</u>
Joint cost to be allocated between		5,76,000
Polyester and Nylon		

### Determination of "basis for allocation" and allocation of joint cost to Polyester and Nylon

	Polyester	Nylon
Output in units (a)	12,500 units	10,000 units
Sales price per unit (b)	₹ 100	₹ 60
Sales value (a x b)	₹ 12,50,000	₹ 6,00,000
Total value (12,50,000 + 6,00,000) = 18,50,000		
Joint cost of ₹ 5,76,000 allocated in the ratio of 12,50,000 : 6,00,000	₹ 3,89,189	₹ 1,86,811
Cost per unit [c/a]	₹ 31.14	₹ 18.68

### (b) Statement determining the maximum number of shares to be bought back (in thousands)

Particulars	Number of shares
Shares Outstanding Test (W.N.1)	15
Resources Test (W.N.2)	12
Debt Equity Ratio Test (W.N.3)	11
Maximum number of shares that can be bought back [least of the above]	11

Thus, the lowest being 11,000 shares, the company cannot buy back 14,000 shares.

#### **Working Notes:**

#### 1. Shares Outstanding Test

Particulars	(Shares in thousands)
Number of shares outstanding	60
25% of the shares outstanding	15

#### 2. Resources Test

Particulars	₹ (in thousands)
Paid up capital	600
Free reserves (540 + 200 +100)	<u>840</u>
Shareholders' funds	<u>1,440</u>
25% of Shareholders fund	360
Buy-back price per share	₹ 30
Number of shares that can be bought back	12,000 shares

### 3. Debt Equity Ratio Test: Loans cannot be in excess of twice the Equity Funds post Buy-Back

Part	ticulars	₹ in thousands
(a)	Loan funds	2,000
(b)	Minimum equity to be maintained after buyback in the ratio of 2:1 (₹) (a/2)	1,000
(c)	Present equity shareholders fund (₹)	1,440
(d)	Future equity shareholders fund ( $\stackrel{?}{<}$ ) (see W.N.4) (1,440-110)	1,330
(e)	Maximum permitted buy-back of Equity $(\mathbf{F})$ [(d) – (b)]	330
(f)	Maximum number of shares that can be bought back @ ₹ 30 per share	11,000 shares

**4.** Amount transferred to CRR and maximum equity to be bought back will be calculated by simultaneous equation method.

Suppose amount transferred to CRR account is 'x' and maximum permitted buy-back of equity is 'y' Then

Equation 1: (Present Equity- Transfer to CRR)- Minimum Equity to be maintained = Maximum Permitted Buy-Back

$$= (1,440 - x) - 1,000 = y$$
$$= 440 - x = y$$
(1)

Equation 2: Maximum Permitted Buy-Back X Nominal Value Per Share/Offer Price Per Share

$$y/30 \times 10 = x$$

or

$$3x = y \tag{2}$$

by solving the above two equations we get

x = ₹ 110 thousands

y = ₹ 330 thousands

Alternatively, Maximum number of shares from debt equity ratio test may be worked out as follows:

Buy-back price + Face value of equity shares  $\stackrel{?}{\sim} 30 + \stackrel{?}{\sim} 10 = \stackrel{?}{\sim} 40$ 

Excess of equity fund over the minimum equity to be maintained 1440-1000 = 440 thousands

Number of Shares that can be bought back = 440/40 thousands = 11 thousands.

3.

Year	Profit / (Loss)	Minority Interest (20%)	Additional Consolidated P & L (Dr.) Cr.	Minority's Share of losses borne by A Ltd.		Cost of Control
			· ,	₹	Balance	
At the time of acquisition in 2018		10,92,800 (W.N.)	-			
2018-19	(14,50,000)	(2,90,000)	(11,60,000)			14,28,800 (W.N.)
Balance		8,02,800				
2019-20	(23,20,000)	(4,64,000)	(18,56,000)			14,28,800
Balance		3,38,800				
2020-21	(29,00,000)	(5,80,000)	(23,20,000)			14,28,800
		(2,41,200)				
	Loss of minority borne by Holding Co.	2,41,200	(2,41,200)	2,41,200	2,41,20 0	
Balance		Nil	(25,61,200)			

2021-22	(6,96,000)	(1,39,200)	(5,56,800)			14,28,800
	Loss of minority borne by Holding Co.	1,39,200	(1,39,200)	1,39,200	3,80,40 0	
Balance		Nil	(6,96,000)			
2022-23	1,90,000	38,000	1,52,000			14,28,800
	Profit share of minority adjusted against losses of minority absorbed by Holding Co.	(38,000)	<u>38,000</u>	(38,000)	3,42,40	
Balance		Nil	1,90,000			
2023-24	6,80,000	1,36,000	5,44,000			
	Profit share of minority adjusted against losses of minority absorbed by Holding Co.	(1,36,000)	1,36,000	(1,36,000	2,06,40	14,28,800
Balance		Nil	6,80,000			
2024-25	12,70,000	2,54,000	10,16,000	(2,06,400	Nil	14,28,800
		(2,06,400)	<u>2,06,400</u>			
Balance		47,600	12,22,400			

#### Calculation of Minority interest and Cost of control on 1.4.2018

		Share of Holding Co.	Minority Interest
	100%	80%	20%
	(₹)	(₹)	(₹)
Share Capital	50,00,000	40,00,000	10,00,000
Reserve	4,64,000	3,71,200	92,800
		43,71,200	10,92,800

Less: Cost of investment	(58,00,000)	
Goodwill	14,28,800	

#### **4. (a)** The expenditure to be recognized will be as under:

	Particulars	Year 2023-2024	Year 2024-2025
(i)	Annual salary (A)	₹ 30,00,000	₹ 30,00,000
(ii)	No. of working days (B)	300 days	300 days
(iii)	Salary cost per day (A/B)	₹ 10,000/day	₹ 10,000/day
(iv)	Leaves C/f / (Utilized)	3 days	(3 Days)
(v)	Expense to be recognized	30,30,000	29,70,000
	[i + (iii × iv)]		

#### Journal entries

Particulars		₹	₹
Employee benefit expense.	Dr.	30,30,000	
To Cash			30,00,000
To Provision for Leave encashment			30,000
Provision for leave encashment.	Dr.	30,000	
Employee benefit expense	Dr.	29,70,000	
To Cash			30,00,000

#### (b) Journal Entries in the books of Vijay Ltd.

	Particulars		₹	₹
(1)	Capital Reduction A/c	Or.	1,750	
	To Investments A/c			1,750
	(Being investments revalued to Market Value	·)		
(2) (a)	Provision for taxation A/c	Or.	3,500	
	Capital Reduction A/c	Or.	1,750	
	To Liability for taxation			5,250
	(Being tax liability ascertained)			
(b)	Liability for Taxation	Or.	5,250	
	To Current Assets (Bank A/c)			5,250
	(Being the payment of tax liability).			

(3)	Capital Reduction A/c Dr.	21,000	
	To Profit & Loss A/c		21,000
	(Being debit balance of P&L written off)		
4)	Equity Share Capital (₹ 10) Dr.	3,50,000	
	To Equity Share Capital (` 4)		1,40,000
	To Capital Reduction A/c		2,10,000
	(Being conversion of equity share capital of ₹ 10 each into ₹ 4 each).		
5)	8% Cumulative Preference Share Cap A/c Dr.	1,75,000	
	To 8% Cumulative Preference Share Capital A/c		1,05,000
	To Capital Reduction		70,000
	(Being conversion of 8% cumulative preference shares capital of ₹ 100 each into ₹ 60 each)		
6)	6% Debentures A/c Dr.	1,40,000	
	To 9% Debentures		1,12,000
	To Capital Reduction		28,000
	(Being 9% debentures of ₹ 80 each issued to existing to 6% debenture holders)		
7)	Capital Reduction A/c Dr.	1,87,250	
	To Current Assets A/c		1,87,250
	(Being current assets revalued)		
8)	Capital Reduction A/c Dr.	87,500	
	To Property, Plant & Equipment A/c		87,500
	(Being PPE revalued)		
9)	Sundry Creditors A/c Dr.	70,000	
	To Equity Share Capital (₹ 4)		35,000
	To Capital Reduction A/c		35,000
	(Being claims of a creditor satisfied)		
10)	Capital Reduction A/c Dr.	43,750	
	To Capital Reserve (Bal. Fig.)		43,750
	(Being balance of Capital Reduction transferred to Capital Reserve)		

5. AT Limited

Balance Sheet as at 31st March 2025

Part	Particulars			₹ (in 000)
Equ	ity ar	nd Liabilities		
1.	Sha	reholders' funds		
	(a)	Share capital	1	300.00
	(b)	Reserves and Surplus	2	232.70
2.	Non	-Current liabilities		
	(a)	Long term borrowings	3	135.00
3.	Cur	rent liabilities		
	(a)	Trade Payables		35.00
	(b)	Short-Term Provisions		<u>30.30</u>
		Total		<u>733.00</u>
Ass	ets			
1.	Non	-current assets		
	(a)	Property, Plant and Equipment and Intangible assets		
		Property, Plant and Equipment	4	596.00
2.	Current assets			
	(a)	Inventories		58.00
	(b)	Trade receivables		65.00
	(c)	Cash and cash equivalents		<u>14.00</u>
		Total		<u>733.00</u>

AT Limited

Statement of Profit and Loss for the year ended 31st March 2025

	Particulars	Notes	₹ (in '000)
I.	Revenue from operations		473.00
II.	Other Income	5	<u>1.00</u>
III.	Total Income		<u>474.00</u>
IV.	Expenses:		
	Purchases		226.00

Finance costs		14.00
Depreciation and Amortisation expenses (10% of 510*)		51.00
Other expenses	6	<u>82.00</u>
Total Expenses		<u>373.00</u>
Profit before Tax (III-IV)		101.00
Tax Expense:		
Current tax		(30.30)
Profit for the period (after tax)		70.70
	Depreciation and Amortisation expenses (10% of 510*) Other expenses Total Expenses Profit before Tax (III-IV) Tax Expense: Current tax	Depreciation and Amortisation expenses (10% of 510*)  Other expenses  Total Expenses  Profit before Tax (III-IV)  Tax Expense:  Current tax

#### Notes to accounts

				₹ (in 000)
1.	Share Capital			
	Equity share capital			
	<u>Authorised</u>			
	35,000 shares of ₹ 10 each			<u>350.00</u>
	Issued, subscribed & paid-up			
	20,000 shares of ₹ 10 each fully paid up		200.00	
	Add: 10,000 Bonus Shares issued during		100.00	222.22
	the year		<u>100.00</u>	300.00
2.	Reserves and Surplus			
	Securities Premium Account			
	Opening Balance	27.00		
	Less: Utilised for bonus issue	<u>27.00</u>		0.00
	Revaluation reserve (2,45,000 – 1,48,000)			97.00
	General Reserve 90			
	Less: Utilized for bonus issue (73)	17.00		
	Add: Transfer from Profit & loss @ 10%	7.07		24.07
	Profit & loss Balance			
	Opening balance	48.00		
	Profit for the period	70.70		

\* 520 (Plant and machinery at cost) – 10 (Cost of plant and machinery sold)

	Appropriations		
	Transfer to General Reserve @ 10% (7.07)		111.63 232.70
3.	Long term borrowing		
	10% Debentures		135.00
4	Property, Plant and Equipment		
	Land		
	Opening balance	148.00	
	Add: Revaluation adjustment	<u>97.00</u>	
	Closing balance		245.00
	Plant and Machinery		
	Opening balance	520.00	
	Less: Disposed off	<u>(10.00)</u>	
		510.00	
	Less: Depreciation (1,16,000 - 8,000 + 51,000)	<u>(159.00)</u>	
	Closing balance		351.00
	Total		596.00
5	Other Income		
	Profit on sale of machinery:		
	Sale value of machinery	3.00	
	Less: Book value of machinery (10,000 -8,000)	(2.00)	1.00
6	Other expenses:		
	Factory expenses	40.00	
	Selling expenses	20.00	
	Administrative expenses	22.00	82.00

The final dividend will not be recognized as a liability at the balance sheet date (even if it is declared after reporting date but before approval of the financial statements) as per Accounting Standards. Hence, it has not been recognized in the financial statements for the year ended 31 March 2024. Such dividends will be disclosed in notes only.

Bonus Shares Issue:

- Bonus shares are issued in a 1:2 ratio, so for every 2 equity shares, 1 bonus share is issued.
- Equity Share Capital = ₹ 2,00,000 / ₹ 10 = 20,000 shares.
- Bonus Shares = 20,000 / 2 = 10,000 shares × ₹ 10 = ₹ 1,00,000.

Alternatively, since, the amount of interest on 10% 1,35,000 Debentures comes to ₹ 13,500 while the Debenture Interest in the trial balance is listed as ₹ 14,000, the difference of ₹ 500 (₹ 13,500 - ₹ 14,000) may be treated as an advance payment.

#### 6. (a) Computation of Annual Lease Payment

Particulars	Amount
Cost of Equipment	18,00,000
Unguaranteed Residual Value	2,00,000
Present Value of unguaranteed residual value (₹ 200,000 x 0.7118)	1,42,360
Present Value of Lease Payments (₹ 18,00,000 – ₹ 1,42,360)	16,57,640
Present Value of Annuity for three years is 2.4018 Annual Lease Payment (16,57,640 / 2.4018)	6,90,165.71

#### Classification of Lease:

#### Parameter 1:

The present value of lease payment i.e. ₹ 16,57,649 which equals 92.09% of the fair market value i.e., ₹ 18,00,000.

The present value of minimum lease payments is substantially covers the fair value of the leased asset

#### Parameter 2:

The lease term (i.e. 3 years) covers the major part of the life of the asset (i.e. 5 years).

Therefore, it constitutes a finance lease.

#### **Computation of unearned Finance Income:**

Particulars	Amount
Total Lease Payments (₹ 6,90,165 x 3)	₹ 20,70,495
Add: Unguaranteed residual value	₹ 2,00,000
	<u>₹ 22,70,495</u>
Less: Present value of lease payments and residual value	
i.e. Net investment (1,42,360+16,57,640)	₹ 18,00,000
Unearned Finance Income	₹ 4,70,495

#### OR

#### (a) Basic Earnings per share (EPS)

= Net profit attributable to equity shareholders

Weighted average number of equity shares outstanding during the year

= 1,84,000

46,000 Shares (as per working note) = ₹ 4 per share

#### Diluted earnings per share

Net profit for the current year	₹ 3,44,000
No. of equity shares outstanding	50,000
Basic earnings per share	₹ 4
No. of 12% convertible debentures of ₹ 100 each	10,000
Each debenture is convertible into 3 equity shares	
Interest expense for the current year	₹ 1,20,000
Tax relating to interest expense (30%)	₹ 36,000
Adjusted net profit for the current year	₹ (1,84,000 + 1,20,000 - 36,000) = ₹ 2,68,000
No. of equity shares resulting from conversion of debentures	30,000
No. of equity shares used to compute diluted earnings per share	46,000 + 30,000 = 76,000
Diluted earnings per share	2,68,000 / 76,000 = ₹ 3.53

### 1. Net profit attributable to equity share holders = Net profit less preference dividends

Total earnings - preference shares dividend

₹ 
$$3,44,000 - ₹ (8% \times 20,00,000)$$

#### 2. Calculation of weighted average number of equity shares

As per AS 20 'Earnings Per Share', partly paid equity shares are treated as a fraction of equity share to the extent that they were entitled to participate in dividend relative to a fully paid equity share during the reporting period. Assuming that the partly paid shares are entitled to participate in the dividend to the extent of amount paid, weighted average number of shares will be calculated as follows:

Date	No. of equity shares	Amount paid per share	Weighted average no. of equity shares
	₹	₹	₹
01.04.2025	50,000	80	50,000x 80/100x 3/12 = 10,000
01.07.2025	40,000	100	40,000 x 9/12 = 30,000
01.07.2025	10,000	80	10,000x 80/100 x 9/12
			= 6,000
Total weighted average equity shares			<u>46,000</u>

#### (b) In case of declaration of dividend out of free reserves, there are 3 conditions:

(1) Dividend Rate < Average Rate of last 3 years

Condition is Satisfied

(2) Dividend Distributed < 10% of PUSC + Reserve and Surplus

 $50,00,000 < 59,50,000 [(5,00,00,000 + 1,00,00,000 - 5,00,000) \times 10\%]$ 

Condition is Satisfied

(3) Reserves after dividend > 15% of PUSC 45,00,000 not > 75,00,000  $(5,00,000,000 \times 15\%)$ 

Condition is Not Satisfied

(4) The closing balance of reserves after payment of dividend and set off of loss = 75,00,000

Therefore, can be utilized = 20,00,000 (1,00,00,000 - 5,00,000 - 75,00,000)

Thus, rate of dividend = (20,00,000/5,00,00,000) = 4%

#### **Alternatively**

To judge the recommendation of management, the satisfaction of all three conditions is to be checked:

#### (1) Condition I

The proposed dividend of 10% is less than the average rate of dividend being 12%

Hence, this condition is satisfied.

#### (2) Condition II

Amount to be withdrawn.

10% dividend on Equity share capital	50,00,000
+ Loss of Current year	5,00,000
Amount to be drawn from General Reserve	<u>55,00,000</u>

Maximum amount that can be withdrawn should not exceed 10% of paid-up share capital + free reserves.

As the amount to be withdrawn is within the maximum limit, hence, this condition is also satisfied.

#### (3) Condition III

Balance of reserves after withdrawal (100-55) ₹ 45,00,000

15% of paid-up capital

₹ 75,00,000

As the balance of reserves should not be less than 15% of its paid-up share capital, but here the balance of reserves after withdrawal is less than 15%

of paid-up share capital, hence this condition is not satisfied, hence, 10% dividend cannot be declared.

Maximum withdrawal of Reserve if condition II is satisfied.

Opening balance of Reserves in the beginning = ₹ 1,00,00,000 of the year

- Closing balance of reserves being 15% of = ₹ 75,00,000 paid-up capital

Reserves available = ₹ 25,00,000

Maximum permissible Divisible Profits

Permissible withdrawal as above = ₹ 25,00,000

Less: Current Year's Loss = ₹ 5,00,000

Maximum permissible Divisible profit = ₹ 20,00,000

Actual permissible rate of Dividend = (₹ 20,00,000 / ₹ 5,00,00,000) x 100 = 4%

Therefore, the recommendation of management is not justified and a dividend only up to a rate of 4% can be declared.

#### (c) Converted branch trail balance (in the books of head office)

Particular	Dr. \$	Cr. \$	Rate	₹ Dr.	₹ Cr.
			per \$		
Expenditure	1,03,095		56	57,73,320	
Cash & bank balance	2,175		58	1,26,150	
Debtors	7,365		58	4,27,170	
Fixed assets	27,360		55	15,04,800	
Depreciation 20%	6,840		55	3,76,200	
Inventory P	5,520		Direct	2,85,000	
Inventory Q	1,065		53	56,445	
Income		1,32,000	56		73,92,000
Creditors		15,570	58		9,03,060
HO control A/c		5,820			2,66,265
Exchange difference				12,240	
				<u>85,61,325</u>	<u>85,61,325</u>

Inventory P	\$ 5,520	Inventory Q	\$ 1,065
Purchased Cost rate	56.50	NRV	\$ 1,035
NRV	₹ 2,85,000	Closing rate	58
Cost	₹ 3,11,880	Purchased Cost rate	53
Value at cost or NRV whichever is less	₹ 2,85,000	Value at cost or NRV whichever is less	\$ 1,035 @ ₹ 58 or \$1,065 @ ₹ 53 = 56,445 or 60,030