

JAIPURIA INSTITUTE OF MANAGEMENT, NOIDA

PGDM / PGDM (M) / PGDM (SM)

SECOND TRIMESTER (Batch 2022-24)

END-TERM EXAMINATIONS, JANUARY 2023

Set-I (END TERM)

Course radiile	Corporate Finance	Course Code	20202
Max. Time	2 hours	Max. Marks	40 MM
INSTRUCTION	NS:		

In Excel sheets, you must use a formula to enter a value in a cell. You can't use the Fx function. Each student will answer on a different sheet of one Excel document and upload it with their name and roll number.

Q1. A firm has two mutually exclusive projects, A and B. The firm cannot invest more than Rs.10000 for now. Assess the firm as to which project should be undertaken using NPV and IRR and why? Assume the required return of the firm is 10%. (CLO 2; BT Level V; Marks:8)

		Project B	Project A	Year
10%	WACC =	-10000	-10000	0
		10000	2000	1
		3000	4000	2
		3000	12000	3

Q2. Alpha Corporation Limited is planning to invest Rs50 lakh in a new project. It is considering financing options with different level of debt and equity. Refer the incomplete table given below:

Amount	Weight of	Weight of	Beta	Cost of	Before-	After-	WACC
Borrowed	Debt	Equity		Equity	tax Cost	tax	
(Rs)	×			(ke)	of Debt	Cost	
						of	

		Debt (kd)	
0	1.00	•	
1000000	1.09	7.8%	
1500000	1.20	8.5%	
2000000	1.36	10.5%	
2500000	1.60	13.2%	

The risk free rate is 6.5% and average annual market rate of return is 11.5% pa. The tax rate is 25 percent. (CLO 2; BT Level II, V; Marks: 2x5=10)

- (a) Estimate the missing figures in the above table
- (b) Recommend the optimum capital structure for financing the project.
- (c) Explain the reason for the increase in beta and before-tax cost of debt with rising level of debt financing.

Q3. A share of stock is now selling for Rs.100. It will pay a dividend of Rs 9 per share at the end of the year. Its beta is 1. Analyze do the investors expect the stock to sell after 1 year- if risk free rate is 8% and rate of return of the market is 18%. (CLO 2; BT Level IV; Marks: 6)

Q4. Singhania Automobile Ltd. (SAL) has an average accounts receivable balance of Rs 1250000/an average inventory balance of Rs. 1750000, and an average accounts payable balance of Rs. 800000. Its annual sales are Rs. 12000000 and its cost of goods sold represents 80 percent of annual sales. Assume there are 365 days in a year. (CLO 3; BT Level IV, V)

- a) Analyse the operating and cash conversion cycle of SAL? (Marks 6)
- b) Justify why shortening of cash conversion cycle considered beneficial for the firm? (Marks 2)
- c) Justify your answer in the context of SAL. (Marks 2)

Q5. You plan to make a total of yearly 5 deposits of Rs.100,000.00 each with the first payment being made today. The bank pays a nominal interest of 10% with annual compounding.

(CLO 3; BT Level I; Marks: 2 X 3=6)

- a) What will be the total balance at the beginning of the 5th year?
- b) What will be the balance at the end of 5th year if you allow the deposit to stay?