Name:		5		
Enrolme	ent No:	RROW		
Time: 0	mme: Financing Petroleum Sector Projects		: 100 Marks	СО
	c. European Optiond. Preference Option		2	1
Q 2	 An analysis involving study of the impact of deviations in the key viability of a project is called: e. Break even point analysis f. Simulation technique g. Scenario analysis h. Sensitivity analysis 	ey variable on the	2	1
	Differentiate the Following:			
Q 3	Call and Put Option		2	1
Q4	Transaction Risk and Translation Risk		2	1
	Fill in the Blanks			
Q 5	Sensitivity is defined as		2	1
Q 6	CO Variance is refer to		2	1
Q 7	Business risk refers to		2	1
Q 8	Maintenance Margin is defined as		2	1
Q 9	An iterative process to identify, assess, reduce, accept, and c systematic, proactive, comprehensive and cost effective manner, ta the business, costs, technical, quality and schedule programmatic co as	king into account	2	1

Q 10		on what t	,	,	when to c	lo, and wh	at not to d	o is called	2	1
					CTION B M= 20 Ma					
Q 11	Growing level of uncertainty and Risk, causing all firms facing wavering and non deterministic future. All groups and corporations resort to effective risk management, either formal or informal, depending on the size of the organization. Effective Risk Management is getting attention in the corporate world. It requires very specialized organization approach and skills to implement and handle the risk management process. Without Risk Management it would be very difficult to survive in the competitive world. The firms are resorting to number of practices to manage the risk. Based on this, discuss the various approaches involved in the risk management function.						2			
Q 12	manufactu would cos years 1 th Year1 Cash flow 30 40 60	uring a new st Rs.70 m rough 3 wo Probability .2 .4 .4	v product illion with ould have t Year 2 Cash flow 40 50 60	called Dril certainty a he followin Probability .1 .7 .2	1 2 to theand the canng distributYear 3Cash flow506080	Managing sh inflows tions: Probability 0.3 0.4 0.3	Director. 7	oposal for The project on) for the Probability 0.4 0.4 0.2	5	3
	a) b)	The proba	ted NPV in bility that	f the approj the NPV w	priate disco ill be less	ounting fac than zero.		distributed.		
Q 13	1.Proj 2.Futu Ke		ing led on Rec in to view	cognized E	xchanges t	out Forwar		ed in OTC. etween the	5	3
		are importa vith highlig			the Risk".	Briefly dis	scuss the f	unctions of		

fı	Presently the salvage value of the truck is Rs.3,00,000 and the salvage value after six years will be Rs.50,000. The company is planning to replace the old truck with a new one which is improvised and more efficient. The new truck costs Rs.14 lakh. It will be depreciated on a straight line basis over the period of next six years and will be fully written off at the end of the six year period. The new truck will have a salvage		
Т	 value of Rs.350,000 at the end of the six year period. The general manager of the company has collected the following additional information: The savings in annual operating and maintenance costs will be Rs.150,000. The income from the operations will increase by Rs.250,000 per year. 	5	3
	• The cost of capital for the company is 12% and the tax rate applicable to it is 30%. You are required to		
	 a. Project the cash flows related with the replacement decision. b. Appraise the capital expenditure proposal using the Decision Tree technique and advise the general manager of the company accordingly. 		

		SECTION-C 3Qx10M=30 Marks		
Q 15	per barrel from PTC H Maintenance Margin is has hired you as his fir 1. MTM position	ontract to buy 800 bbl of crude oil . The current price is \$ 84.51 Petroleum Limited on 4 th Oct 2023. Initial Margin is 4% and s 2%. The expiry date of contract is 20 th Oct 2023. The client nancial consultant to let him know about the following:		
	Date	Market Rate		
	4 th Oct 2023	88.25		
	5 th Oct 2023	87.25		
	7 th Oct 2023	85.25		
	9 th Oct 2023	87.75		
	10 th Oct 2023	81.25		
	11 th Oct 2023	91.50	10	3
	12 th Oct 2023	91.35	10	
	14 th Oct 2023	98.75		
	15 th Oct 2023	96.25		
	16 th Oct 2023	95.75		
	17 th Oct 2023	85.25		
	18 th Oct 2023	89.25		
	19 th Oct 2023	88.25		
	20 th Oct 2023	87.75		

How company will as choose using Sensitivi		eviation)? Which Project	et company will	
	Project U ('000 Rs.)	Project V ('000 Rs.)	Probability	
Initial Cash Outlay (t=0)	200	200		
Cash Flow Estimates (t=1-20)				10
Worst	40	0	0.30	
Most Likely	44	40	0.40	
Best	60	56	0.30	
Required Rate of Return	9%	9%		
Economic Life (in Years)	20	20		

Year	Return on Security j (%)	Return on Market Portfolio (%)	
	Kj	Km	
1	20	24	
2	12	10	
3	26	36	
4	-8	-16	
5	26	20	
6	28	32	
7	8	14	
8	36	30	
9	48	60	
10	44	50	
Assess	Security Risk , Security Return	, Market Risk and Market Return	

	20	SECTION-D Qx15M= 30 Marks			
Q 18	The following information of TGT L The present book value capital Equity Capital 10% Preference Capital Retained Earnings 11% Debentures 12% Loan Anticipated external financing 1. Rs 100 per debenture redeema Discount @11% , Discount on 2. Rs 100, 11% preference sl Discount @ 12% . Floatation 3. Equity shares are sold at Rs Growth Rate is 10% The corporate tax rate is 20%. There You are required to determine the w value weights	It d is available to you for your perusal: I structure is as follows: Rs. In Lakh 200 100 200 100 200 100 200 800 g opportunities are: able at par; 10 year maturity,14% coup n Issue 2%, Floatation Cost 1% hares redeemable at par, 10 years Cost 1% s. 40 . Expected Dividend is Rs. 6 per is no Dividend Tax reighted average cost of capital using	pon rate , maturity, er share .	15	4
Q 19	risks. The Reserve Bank of India (RB the exchange-traded currency options soon (a week or so) you will hear from options in SEBI-approved platforms General Manger, Foreign Exchange D	following questions: have one more tool for hedging their I) will next week come out with the co s, a top official of the central bank, sain n us as far as allowing exchange traded (exchanges)," Mr G. Jaganmohan Ra Department, RBI, told a seminar on curr Chamber of Commerce and Industry (P	ntours of id. "Very currency ao, Chief ency risk	15	4

He said the RBI had been in discussions with banks and industry participants over the	
last one year on the issue of exchange-traded currency options. "There had been 43	
rounds of discussions in last one year," Mr Rao said. Currently, currency options are	
allowed only as over the counter (OTC) products. The RBI Governor, Dr D.	
Subbarao, in the annual monetary policy statement released in April this year, had	
announced that the central bank had decided to permit recognised stock exchanges	
introduce plain vanilla currency options on spot dollar/rupee exchange rate for	
residents.	
In India, the level of hedging as part of currency risk management is quite low. Only	
3 per cent of those with forex currency exposure have gone in for hedging their risk,	
it was pointed out. Meanwhile, Mr Jaganmohan Rao advised small and medium	
enterprises (SMEs) to limit themselves to simple products (forwards, options and	
swaps). "Never go for structured products," he said. On full convertibility of the	
rupee, Mr Rao said that full convertibility was required, but noted that the country	
was not yet ready for that.	
"We are still to meet certain conditions of the Tarapore Committee report (on full	
convertibility). But RBI Governor is the best person to answer when India will have	
full convertibility," he said in response to a question on full convertibility.	
On how much the Indian industry had lost on account of the global financial crisis	
through the currency channel, Mr Rao said the RBI only had 'rough estimates' on	
how much the industry had lost. "We know about the banks and not about industry.	
We only have some rough estimates on how much industry lost. As and when industry	
had to make huge payments, we get to see the tussle between industry and bankers	
and thereby get some more information," he said. Already, exchange traded currency	
futures are permitted in two recognized stock exchanges in respect of four currency	
pairs.	
(i): Briefly outline the Summary of the Case8 Marks	
(ii) Considering the Above mentioned case, mention the Speculation with Option and	