Name:

49021 EVALUATION OF INFRASTRUCTURE INVESTMENTS Assignment # 1 (Autumn 2016)

ANSWER-SHEET

1.	Please summarize	your results in the table below (5 N	Marks)	١
ι.	i icase summanze	your results in the table below (J 1	1141 12 5 /	1

	Fin	ancial	Socio-ec	onomic
	Proposal A	Proposal B	Proposal A	Proposal B
NPV				
IRR				
РВ				
LCC				
EAC				
B/C				
CS				
PS				
TS				

Note: NPV, LCC, and EAC, CS, PS, and TS must be rounded off to the nearest billion dollars (i.e., no decimal places); PB and IRR to the nearest whole numbers (i.e., no decimals), and B/C - to just one decimal place.

				(no more th	an 10 words)
	Why? Because _				
	A	В	Either	Neither	
2.	Which proposal will you recommend from a financial perspective? (1 Mark)				

Why? Because
(no more than 10 word
Will your recommendation (based on economic perspective) change if – due to nalfunctioning technology - the useful economic life of project A gets reduced to 20 years)? (1 Mark)
Yes No
Why? Because
(no more than 10 word
Vill your recommendations (based on financial perspective) change if there was hyper-
Vill your recommendations (based on financial perspective) change if there was hyper-
Vill your recommendations (based on financial perspective) change if there was hypernflation over the useful life of this project (i.e., the discount rate is infinite) and the price
Will your recommendations (based on financial perspective) change if there was hypernflation over the useful life of this project (i.e., the discount rate is infinite) and the price oal escalates by 20 percent instead of the estimated value of 2 percent? (2 Marks)
nflation over the useful life of this project (i.e., the discount rate is infinite) and the price of oal escalates by 20 percent instead of the estimated value of 2 percent? (2 Marks) Yes No
Will your recommendations (based on financial perspective) change if there was hypernflation over the useful life of this project (i.e., the discount rate is infinite) and the price oal escalates by 20 percent instead of the estimated value of 2 percent? (2 Marks) Yes No No Nhy? Because
Will your recommendations (based on financial perspective) change if there was hypernflation over the useful life of this project (i.e., the discount rate is infinite) and the price oal escalates by 20 percent instead of the estimated value of 2 percent? (2 Marks) Yes No
Will your recommendations (based on financial perspective) change if there was hypernflation over the useful life of this project (i.e., the discount rate is infinite) and the price oal escalates by 20 percent instead of the estimated value of 2 percent? (2 Marks) Yes No No Why? Because (no more than 10 word Will your recommendation (based on economic perspective) change if – due to depressed global financial situation - there is 5 percent deflation (instead of inflation). (2 Marks)
Will your recommendations (based on financial perspective) change if there was hypernflation over the useful life of this project (i.e., the discount rate is infinite) and the price oal escalates by 20 percent instead of the estimated value of 2 percent? (2 Marks) Yes No No No No Vhy? Because (no more than 10 word) Will your recommendation (based on economic perspective) change if – due to depressed

7.	What is the basis of your calculations (for Question 1 on page 1) – Real Terms or Nominal terms? Please provide justification in support of your claim. (2 Marks)
	Real terms
	Nominal terms
	None of the above
	Why?
	(no more than 10 words)
8.	Will your recommendation (based on economic perspective) change if evaluation is carried out with year twenty is the base year instead of year zero? (2 Marks)
	Yes No
	Why? Because
	(no more than 10 words)
9.	Will your recommendation (based on economic perspective) change if the construction time for each project is 5 years and the capital cost for each project is evenly spread over these five years? (3 Marks)
	Yes No
	Why? Because
	(no more than 10 words)
10.	Will your recommendation (based on economic perspective) change if – due to unanticipated depressed state of the economy – the government decides to provide electricity to consumers (generated by both projects) for free for the first ten years; at 5 cents per unit for the next ten years; and at 10 cents there-after (3 Marks)?
	Yes No
	Why? Because
	(no more than 10 words)

•	ld the hydro proj	ed on financial perspective) change if 'interest free' cap oject, while interest is changed on capital required for Marks)	ital
Yes	No		
Why? Because _			
		(no more than 10 wo	 rds)