EEE-Assignment 6

	- Line in the case of the contract of the cont
0.1	EIA is wended for-
(a)	EIA is prepared for- Every specified polluting developedmental project
10 A 20 TO 10 TO 1	
2.2.	EIA is intended to identify the environmental, social and economic impacts of a proposed
	social and economic impacts of a proposed
	development -
(a)	Prior to the decision to sanction a project
	is taken
∂ ⋅3,	The environmental empact assessment should
	include -
(d)	All of the above
Q.4	Life cycle analysis is cradle to grave analysis
	Explain. • Life cycle assessment is a technique to assess
7.4	environmental impacts associated with all
-1	the stages of a product's life from raw
, me	material entraction through materials
	processing, manufacture, distribution, use,
	repair & maintinance & disposal or recycling.
WOT .	Plence et is a technique where complete.
3 001 1	process of life of a product is analysed
	from start to encl.
4.	$\mathcal{D}_{(n)}$, which is the second of the s

Q.5. Why is it important for engineers to use the LCA when designing products?

It is important jor engineers to use ICA

when disigning products excause

• LCA identifies environmental hot spots in products & materials & establishes the benchmark against which & improvements can le measwed. · It puorides designers, regulators & Engineers with valuable information for exploring decisions in each life stage for materials, buildings, services & infrastructure. Q.6 Describe LCA process in the picture. Also, write down the possible environmental problems in each stage/phase 2 Goal & Scope definition The end products are cars, bicycles. QUTPUT Raw material extraction INPUT Energy : Crucle Oil Electricity Rav material Into air Nox manufacturing Resources Natural gais Product manfacturing Release . BOD, Into water COD, etc Mineral . Coude Oil Resources Tron dre Transportation Use Release Solid waste Renewable Water Resources " Wooder Into soil Polluted Disposal & Recycling ete sludge 1 Resources, Global warming Depletion of Enveronmental Acid Rain, Imapact Air Pollution, Water Polluton Assessment