

INDIAN INSTITUTE OF TECHNOLOGY, KHARAGPUR Mid-Spring Semester 2022-23

Subje Depo Spec	of Examination : ect No. : EP 60022_ artment/Center/School : Rajer cific charts, graph paper, log b cial Instructions (if any) :	Session (FN/AN)Subject Name: Technology Entrepondra mishra School of Engineering Eroook etc., required	Duration <u>2 hrs</u> preneurship ntrepreneurship
1	. Present a B-Plan of your choice, sele	cting any product or service or system.	[9]
2	. Explicate the elements in a project fe	easibility study report with brief illustration.	[7]
3.	(a) Elucidate on the critical perform	ance factors in the manufacturing system	
	(b) The annual production capacity of a start-up firm is 12,000 mechatronic toys. Determine the break-eve volume, if the fixed cost is Rs. 1 Crore, the variable cost is Rs. 2000/- per unit, and the selling price is R 4000/- per product.		
4.	(b) determine, using such informatio	p of cost in a profit earning manufa on, the percentage change in profit due to the f	onovg.
	coupled with value engineering effor	rease in production volume by 10%, on accour rts that helps to reduce the material cost by 5 nethod improvement. However, the overhead	
	assume all necessary data and make	a note of it.	[2 + 5]