Code No.: 3020-B

## FACULTY OF ENGINEERING

## B.E. 2/4 (Civil) II Semester (Main) Examination, May/June 2011 MECHANICAL TECHNOLOGY (PART – B)

Time: 1½ Hours ] [Max. Marks: 37			
Note: Answer all questions from Part – A. Answer any three questions from Part – B.			
		PART - A	G. C (Marks : 13)
1.	Diffe	erentiate between a cable excavator and bucket wheel	lmll
2.	Wha	at are the applications of an aerial ropeway?	2
3.	Stat	e usage of concrete vibrator in construction engineering	9. 3
4.	Writ	e applications of fork lift truck.	2
5. Sketch the cross-section of jack hammer. 3			
		PART – B (	$Marks: 3 \times 8 = 24)$
6	(a) (b)	Explain the working and operation of drag line.  Discuss the operation and applications of cable excasketch.	vator with a neat 4
7.	What are the different types of conveyors? Explain the operation of a belt conveyor with a neat sketch.		
8.	(a)	What are the types of crushers? Explain the gyrato neat sketch.	ry crusher with a
	(b)	Describe the operation of a concrete pump and write	its applications. 4
9.	(a)	Explain the working principle of reciprocating air-comapplications.	pressor and give
	(b)	Explain the tilting type of concrete mixer and comparing	are it with mobile
10.	Diffe	rentiate between swing and non-swing mobile cranes.	8