TED	(10)	)–1004 Reg. No	***************************************
(REVISION—2010)			
FI	RST	T SEMESTER DIPLOMA EXAMINATION IN ENGINEERING/TECHN	
			OLOGY
		OCTOBER, 2013	
		GENERAL ENGINEERING	
T		(Common except DCP and CABM)	
		Manusco (Aug. 1992) (1992) (1992)	me: 3 hours
		(Maximum marks: 100)	
		PART—A	
			Marks
I		nswer the following questions in one or two sentences. Each quarries 2 marks.	estion
	1.		
	2.	What is meant by a four stroke engine?	
	3.	What is meant by a polyphase system?	
	4.	What is meant by integrated circuit?	
	5.	What is meant by GSM?	$(5 \times 2 = 10)$
		PART—B	
$\Pi$	Ans	aswer any five of the following. Each question carries 6 marks.	
	1.	What are the different types of cement?	
	2.	What is a Pile? Distinguish between Friction Pile and Bearing Pile.	
	3.	Write any six differences between petrol engine and diesel engine.	
	4. 5.	Draw the block diagram of a hydroelectric power plant.	
	٥.	Define the following terms pertaining to AC wave:  (i) Amplitude (iii) Phase	
		(ii) Frequency (iv) RMS value	
	6.	Explain MCB and ELCB.	
	7.	What are the advantages of LED light?	$(5 \times 6 = 30)$
		PART—C	
	(1	(Answer one full question from each unit. Each question carries 15 marks.)	)
		Unit—I	
III		Define the following terms with respect to chain surveying:	
		(i) Main station (iii) Base line (v) Chainage (ii) Tie station (iv) Offset	92000
		(ii) Tie station (iv) Offset  Draw the elevation of a brick wall in English bond with four layers.	10
	1	and in English bolid with lour layers.	5