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(81) Q	uestion Paper Code :	91661
<u> </u>		
GE 6251 –	EGREE EXAMINATIONS, NOVEMD Second Semester Electrical and Electronics Engine - BASIC CIVIL AND MECHANICAL ectronics and Instrumentation Engineering) and Control Engineering) (Regulations – 2013)	eering L ENGINEERING
Time: Three Hours	the original contents in agreement	Maximum: 100 Marks
	Answer ALL questions	
	PART – A	(10×2=20 Marks)
1. Name any two p	properties of good cement.	The state of the same of the s
THE RESERVE OF THE PARTY OF THE	jectives of surveying ?	
	tween shallow and Deep foundation.	
	nalities of good brick ?	
and Bull ball	nerits and demerits of thermal power p	lant.
, ,	ction of electro-static precipitator?	
7. What is Ignition	delay period?	
8. What is called d	lirect injection type of combustion cham	aber?
9. Define refrigera	ting effect.	
10. What are the de	esirable properties of a refrigerant?	
	PART – B	(5×16=80 Marks)
11. a) i) What are	the various types of bricks based on qu	uality? (6)
	the sources of sand? State the propert	ties of good sand. (10)
	(OR)	
b) Explain abou	ut different types of levelling and its lir	mitations. (16)

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12. a)	What do you understand by the term foundation? Draw sketches to show various types of foundations. (OR)	(16)
b)	i) Explain various kinds of rubble masonry with sketches.	(10)
	ii) Write short notes on column and its types.	(6)
13. a)		(16)
gia p	(OR)	(10)
-		(16)
14. a		(16)
1	(OR)	(16)
3,15) With neat sketch explain the working principle of four stroke Diesel engine.	(10)
15. a	Explain with line diagram the working of vapour compression refrigeration system.	(16)
	Determine the mass of ice produced per day from water at 25°C. Also find the	3
	power required to drive the unit. Assume that the cycle operates on reversed	
	power required to drive the unit. Assume that the cycle operates on reversed	
	power required to drive the unit. Assume that the cycle operates on reversed	(16)
	power required to drive the unit. Assume that the cycle operates on reversed Carnot cycle and latent heat of ice is 335kJ/kg.	(16)
	power required to drive the unit. Assume that the cycle operates on reversed Carnot cycle and latent heat of ice is 335kJ/kg.	(16)
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