Seat No.:	Enrolment No
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CHIADAT TECHNOLOGICAL UNIVERSITY

		M. E SEMESTER – II • EXAMINATION – WINTER • 2013	
Subj	ect o	code: 1721105 Date: 02-01-2	014
•		Name: High Speed Diesel Engine	
Time	: 10	.30 am – 01.00 pm Total Marks	: 70
Instr	uct	ions:	
	2.	Attempt all questions. Make suitable assumptions wherever necessary. Figures to the right indicate full marks.	
Q.1	(a)	Give Comparison of Induction swirl, compression swirl, and combustion swirl?	07
	(b)	Explain in detail compression ratio for direct injection and indirect injection combustion chamber? Also compare direct injection and indirect injection engine?	07
Q.2	(a) (b)	•	07 07
	(b)		07
Q.3	(a) (b)		07 07
Q.3	(a) (b)	Explain term maintenance of HSDE?	07 07
Q.4	(a) (b)		07 07
Q.4	(a)	Describe fuel injector with neat sketch? Can we use this injector for slight more or less pressure range and how it can be set?	07
	(b)		07
Q.5	(a)	*	07
	(b)	Write short notes on multi-fuel engines? OR	07
Q.5	(a) (b)	Discus special feature of agriculture and industrial engines? Write short notes on combustion chamber requirements?	07 07
