GBCS Scheme

						•	<i>[</i>]			1			
USN												15AU44	
		Four	rth S	Semo	estei	r B. l	E. Do	egree Exa	minati	on, June/	July 201	8	
						Au	ton	notive E	ngine	es			
Tim	Time: 3 hrs.										Max. N	ax. Marks: 80	
	N	ote: Ans	wer a	ny F	IVE 1	full g	uestio	ons, choosing	one full	question fr			
				•		•	KAS	Module-1		•			
1	a.	What is	an Ei	ngine	? Wri	te the	class	sification of I.		with neat sl	ketches.	(08 Marks)	
	b.							ing of Four st				(08 Marks)	
				c	88. S	V'		OR					
2	a.	With the						explain the	constru	ction and w	orking of	Four stroke (08 Marks)	
	b.							valve timing	g diagran	n for a four	stroke S-I		
		explain.		2					<i>GG</i>			(08 Marks)	
			2 /					Module-2				(
3	a	Explain	with	a nea	t sket	ch co	nstruc	ction and wor		simple carb	uretor.	் (08 Marks)	
		4 1, 5 2						ents of SI Eng	_	•		(08 Marks)	
(A)	Ş.S	· ·						OD			,		
4	a.	With the help of a neat sketch, explain CRDI (Common Rail Diesel Injection) system.										Stem	
\$ ⁷	u.	** 1611 611	e nen	01 4	iiout .	JKC LÇI	i, exp	ium CRDI (C		itan Dieseri		(08 Marks)	
	b.	Write a	short	notes	on:	i) T	ypes	of Nozzles	ii) Ty	pes of gover	non	(08 Marks)	
								Module-3		1/2			
5	a.	•		_				n C.I engine.				(08 Marks)	
	b.	Write th	Write the factors affecting Ignition login SI engine and explain.									(08 Marks)	
								OR	a'	7.19. 7.09.72			
6	a.	-		_				n SI engine.	(d)	U?		(08 Marks)	
	b.	Write th	ie fac	tors a	ffecti	ng De	elay p	eriod in CI e	ngine and	explain.		(08 Marks)	
7		Withou		leat a la	oven le	. i.a. + la	a Tuul	Module-4		a a law		(00 M1)	
7	a. b.							bocharger wit			ketch	(08 Marks) (08 Marks)	
	٥.	Вирии			.5 0.	. 0.00						(00 1/14/145)	
								OR OR					
8	a.							ate system us		irbo-charge.		(08 Marks)	
	b.	Write th	e pro	pertie	s of c	coolai	nts and	d explain in b	orief.			(08 Marks)	
						5)		Module-5					
9	a.	•			7. 1.			ing of pressur		brication sys	tem.	(08 Marks)	
	b.	Explain	the p	roper	ties o	f lubr	icants	S.				(08 Marks)	

10 a. Explain with neat sketch splash lubrication.
b. Explain with neat sketch mist lubrication system.
(08 Marks)
(08 Marks)

* * * *

OR