## QP Code: 6106

Contd.-.

			(3 Hours) Marks:	80
	N.B. :	1) 2) 3) 4) 5)	Question No.1 is compulsory Attempt any three questions from remaining All questions carry equal marks Make suitable assumptions and mention same clear Draw neat and clear diagrams wherever necessary	arly
Q.	1 Attemp	t any 4(	four) from the following:	
ř	a)	Describ	e Pollutants from Automobile Exhaust	20
•	b)	What a	re different sources of Pollution?	
	c)	What is	Smog? How it affects human beings?	
	d)	What is	an EGR System?	
	e)	How LP	G is advantageous over conventional Fuel?	
Q.2				
a)	What	is smoke	? How smoke affects light? What is light absorption coefficient	t? 12
b)	Which	are majo	or sources of HC Emissions from S.I.Engines?	08
Q.3 a)				10
,	List pre	perces	of CNG and explain CNG Fuel kit with neat diagram.	
0)	What is Explain	F.I.D.Pr with nea	rinciple? Which pollutants are measures using F.I.D.technique	? 10
2.4				
	Explain	working	of Evaporative emission control system with proper sketch?	12
.5	Can alco	phol be u	sed in C.Iengine ? Explain.	08
	What is a Fuel Inje	effect of o	different design parameters viz.valve timing, ignition timing, tem on emission from S.I.Engine?	10
	Describe	the work	king of Diesel Oxidation catalyst with neat sketch	10

b)

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Q.6 Write Short notes on(any four)

20

- a) Thermal Reactor
- b) Global Warming
- c) Importance of Pollution Under Control Norms
- d) Fuel Additives
- e) Three Way Catalytic Converter

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