

Reg. No. :

--	--	--	--	--	--	--	--	--	--

Question Paper Code: 39720

B.E. / B.Tech. DEGREE EXAMINATION, SEP 2020

Elective

Mechanical Engineering

01UME920 - ADVANCED IC ENGINES

(Regulation 2013)

Duration: One Hours

Maximum: 30 Marks

PART - A (6 x 1 = 6 Marks)

(Answer any Six of the following Questions)

1. The cold engine is started, it requires a _____ mixture.
(a) leaner (b) richer (c) chemically equal (d) none mentioned
2. The air standard efficiency of an Otto cycle compared to diesel cycle for the given compression ratio is
(a) more (b) same (c) less (d) depending on power rating
3. The pressure at the end of compression in the case of diesel engine is of the order of
(a) 20 kg/cm (b) 6 kg/cm (c) 12kg/cm (d) 35 kg/cm
4. Combustion in compression ignition engines is
(a) homogeneous (b) turbulent (c) heterogeneous (d) laminar
5. The following is not one of the major pollutants.
(a) nitrogen oxides (b) carbon di-oxide
(c) carbon monoxide (d) unburned hydro carbon
6. The major contributor of Carbon monoxide is
(a) motor vehicle (b) industry (c) stationary combustion (d) none of the above

