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## IC Engine MCQ Questions

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**Q1. The ignition quality of petrol is expressed by -**

- **A. Octane number**
- B. Cetane number
- C. Calorific value
- D. All of these

**Q2. The probability of knocking in diesel engines is increased by -**

- A. High self ignition temperature
- B. Low volatility
- C. Higher viscosity
- **D. All of these**

**Q3. The maximum temperature in the I.C. engine cylinder is of the order of -**

- **A. 2000-2500°C**
- B. 1500-2000°C
- C. 1000-1500°C
- D. 500-1000°C

**Q4. An engine indicator is used to determine the following**

- A. Temperature
- B. Speed
- C. Volume of cylinder

- **D. M.E.P. and I.H.P.**

**Q5. The pressure at the end of compression in the case of diesel engine is of the order of**

- A. 12 kg/cm
- **B. 35 kg/cm**
- C. 20 kg/cm
- D. 6 kg/cm

**Q6. If the temperature of intake air in IC engines is lowered, then its efficiency will**

- A. Decrease
- **B. Increase**
- C. Remain same
- D. Increase up to certain limit and then decrease

**Q7. Which of the following medium is compressed in a Diesel engine cylinder?**

- **A. Air alone**
- B. Air and fuel
- C. Air and lub oil
- D. Fuel alone

**Q8. A stoichiometric air-fuel ratio is**

- **A. Chemically correct mixture**
- B. Rich mixture for idling
- C. Lean mixture
- D. Rich mixture for over loads

**Q9. The compression ignition engines are governed by**

- **A. Qualitative governing**
- B. Hit and miss governing
- C. Quantitative governing
- D. None of these

**Q10. The reason for supercharging in any engine is to**

- A. Increase efficiency
- **B. Reduce weight and bulk for a given output**
- C. Increase power
- D. Effect fuel economy

**Q11. The process of breaking up or a liquid into fine droplets by spraying is called**

- A. Carburetion
- **B. Atomization**
- C. Ionization
- D. Vaporisation

**Q12. In order to prevent knocking in spark ignition engines, the charge away from the spark plug should have**

- A. Low density
- B. Low temperature
- C. Long ignition delay
- **D. All of these**

**Q13. In loop scavenging, the top of the piston is**

- **A. Contoured**
- B. Slanted
- C. Depressed
- D. Flat

**Q14. The knocking tendency in compression ignition engines for a given fuel will be**

- A. Enhanced by increasing compression ratio
- **B. Enhanced by decreasing compression ratio**
- C. Dependent on other factors
- D. None of the above

**Q15. Polymerization is a chemical process in which molecules of a compound become**

- A. Slowed down
- **B. Larger**
- C. Smaller
- D. Liquid

**Q16. The ratio of the indicated thermal efficiency to the air standard efficiency is known as**

- A. Volumetric efficiency
- **B. Relative efficiency**
- C. Overall efficiency
- D. Mechanical efficiency

**Q17. Scavenging air in diesel engine means**

- A. Forced air for cooling cylinder
- B. Air used for combustion sent under pressure
- C. Burnt air containing products of combustion
- **D. Air used for forcing burnt gases out of engine's cylinder during the exhaust period**

**Q18. Engine pistons are usually made of aluminium alloy because it**

- A. Wear is less
- B. Absorbs shocks
- **C. Is lighter**
- D. Is stronger

**Q19. The air standard efficiency of an I.C. engine depends on (A) Fuel used**

- **A. Compression ratio**
- B. Fuel used
- C. Speed of engine
- D. None of these

**Q20. The thermal efficiency of a petrol engine is \_\_\_\_\_ as compared to diesel engine.**

- **A. Less**
- B. Same

- **C.** More
- **D.** None of these

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