

Automotive Technology History and Metrics

Automotive Technology · Practice Test · 9 Questions

1. In which year did Rudolf Diesel receive the patent for the compression-ignition engine?

- A) 1885
- B) 1892
- C) 1901
- D) 1912

2. The Ford Model T, credited as the first affordable mass-produced car, began production in which year?

- A) 1903
- B) 1908
- C) 1914
- D) 1920

3. Volvo engineer Nils Bohlin invented the three-point safety belt in what year?

- A) 1948
- B) 1955
- C) 1959
- D) 1964

4. What is the ideal stoichiometric air-fuel ratio by weight for a standard gasoline engine?

- A) 12.5:1
- B) 14.7:1
- C) 15.2:1
- D) 16.0:1

5. In 1939, which car manufacturer introduced the 'Hydra-Matic', the first mass-produced fully automatic transmission?

- A) Ford
- B) Chrysler
- C) General Motors
- D) Studebaker

6. The first mass-produced hybrid electric vehicle, the Toyota Prius, was launched in Japan in which year?

- A) 1992
- B) 1997
- C) 2000
- D) 2003

7. Which year was the On-Board Diagnostics II (OBD-II) standard mandated for all cars sold in the United States?

- A) 1990
- B) 1994
- C) 1996
- D) 2000

8. Karl Benz is widely credited with inventing the first modern automobile; in what year did he patent the Benz Patent-Motorwagen?

- A) 1879
- B) 1886
- C) 1890
- D) 1895

9. How many pins are found in a standard Type 1 SAE J1772 electric vehicle charging connector?

- A) 3
- B) 5
- C) 7
- D) 9