1. The two main components of the engine cooling system in most cars are:
   (a) Air Intake and Turbocharger
   (b) Battery and Fan
   (c) Radiator and Water Pump
   (d) Intercooler and AC

2. If your car leaks or burns off all of its engine oil:
   (a) It will seize the engine
   (b) It will cause an oil spill
   (c) It catches an oil fire
   (d) Nothing will happen

3. An octane rating is a measure of:
   (a) How fast a car can go
   (b) How much the fuel can be compressed
   (c) How much the engine will wear out
   (d) How flammable a fuel is

4. What is an engine’s redline define?
   (a) The limit of nitrous oxide you can use
   (b) Maximum speed of an engine in rpms
   (c) An equation to decide when the turbocharger kicks in
   (d) The line beyond which speedometer will break

5. A crankshaft’s job in an engine is to:
   (a) Deliver fuel to the cylinders
   (b) Change linear motion into rotational motion
   (c) Keep cylinder heads in place
   (d) Drive the front wheels

6. A timing belt or chain links these two engine components together.
   (a) Pistons to the camshaft
   (b) Valves to the camshaft
   (c) Flywheel to the camshaft
   (d) Crankshaft to the camshaft

7. What are the three most common ways to arrange an engine’s cylinder?
   (a) Inline, flat, V
   (b) Rotary, V, straight
   (c) V-twin, V-8, hemi
   (d) Flat, straight, hemi

8. Which of the following vehicles mostly have air-cooled engines?
   (a) Racing cars
   (b) Trucks
   (c) Motorcycles
   (d) Hybrid cars

9. What does a turbocharger do?
   (a) It adds more fuel to the air/fuel mixture
   (b) It forces more air into the combustion chamber
   (c) It reduces the engine’s exhaust gases
   (d) It charges the battery quickly

10. Engine pistons are connected to:
    (a) Flywheel
    (b) Tie rods
    (c) Crankshaft
    (d) Camshaft
11. Which automobile company invented the famous VTEC technology?
   (a) Hyundai  (b) Toyota  (c) Honda  (d) Suzuki

12. What is the one thing which a petrol engine has that a diesel engine doesn’t?
   (a) Spark plugs  (b) Turbine  (c) Intercooler  (d) Supercharger

13. Which engine component is not present in a fuel-injected car?
   (a) Catalytic converter  (b) Turbocharger  (c) Alternator  (d) Carburettor

14. How do correctly inflated tyres improve the fuel efficiency?
   (a) They decrease the frictional force  (b) They counteract the force of gravity  
   (c) They become lighter  (d) They stick better to the road

15. Nitrous oxide improves the engine performance by providing more of?
   (a) Nitrogen  (b) Oxygen  (c) Hydrogen  (d) Nitric acid

16. What is another benefit of burning nitrous oxide in an engine?
   (a) Cleaner-burning fuel  (b) Less engine wear  (c) A cooling effect
   (d) A quieter performance

17. Why do cars normally carry only a small amount of nitrous oxide?
   (a) It’s quite bulky  (b) It’s very expensive  (c) It’s extremely rare
   (d) It’s legally banned

18. A Dual Overhead Camshaft (DOHC) system typically has how many valves per cylinder?
   (a) Two  (b) At least four  (c) Six  (d) Eight or more

19. How much more power does a supercharger add to an engine?
   (a) About 25 percent  (b) 200 horsepower more  (c) 300 horsepower more
   (d) About 50 percent

20. Which factor decides the acceleration performance of a vehicle?
   (a) Horsepower  (b) Weight  (c) Power to Weight ratio  (d) Engine size

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