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1. What is the firing order for four cylinder engine?

- A) **1,3,4,2 (Correct)**      B) 1,2,3,4  
C) 2,3,1,4      D) 3,1,4,2

2. What is the temperature limit set to ON/OFF for the radiator control system?

- A) **ON and OFF at below 98 Degree Centigrade and 93 Degree Centigrade (Correct)**      B) ON and OFF at above 98 Degree Centigrade and 93 Degree Centigrade  
C) ON and OFF at below 93 Degree Centigrade and 84 Degree Centigrade      D) ON and OFF at above 90 Degree Centigrade and 81 Degree Centigrade

3. What is the function of distributor in the battery ignition system?

- A) Distribute high tension current from ignition coil to secondary winding      B) **Distribute high tension current flow ignition coil to spark plugs (Correct)**  
C) Opens and closes the secondary circuit of coil      D) Distribute low tension current to ignition coil

4. Why many engines use spark plugs with tapered seats?

- A) Helps in easy fitting      B) Produce correct alignment  
C) Provide clearance space      D) **Produce good sealing (Correct)**

5. What is the purpose of breaker plate in the distributor?

- A) Acts as contact breaker (Incorrect)      B) **Prevents dirt, carbon into distributor**  
C) Conduct the ignition surge to the electrode      D) Distribute high tension surge to ignition coil

6. What is the function of thermo time switch in engine control module?

- A) Sense exhaust gas temperature      B) **Sense engine coolant temperature (Correct)**  
C) Indicate lubricant temperature      D) Indicate fuel temperature

7. Which instrument indicate engine RPM in the engine control module?

- A) Pyno meter      B) **Tachometer (Correct)**  
C) Galvano meter      D) Hydro meter

8. Which electronic control system supplies optimum airfuel mixture to the combustion chamber under different driving

condition?

- A) Idle speed control system      B) **Fuel injection control system (Correct)**  
C) Ignition control system      D) Oil pump control system

9. Which part of ignition system connects and disconnects primary circuit?

- A) Distributor      B) Condenser  
C) **Contact breaker (Correct)**      D) Ignition coil

10. What is the function of ignition coil?

- A) **Step up low voltage to high voltage**      B) Step down high voltage to low voltage  
C) Connect the primary circuit to ignition switch (Incorrect)      D) Disconnect the secondary circuit to

11. Which sensor located in the intake manifold or throttle body?

- A) **Mass air flow sensor (Correct)**      B) Oxygen sensor  
C) Hall effect sensor      D) Air vertex sensor

12. Which type of sensor located at the exhaust manifold?

- A) Hall effect sensor      B) **Oxygen sensor (Correct)**  
C) Air vertex sensor      D) Mass air flow sensor

13. Which sensor used to measure the magnitude of a magnetic field?

- A) Air vertex sensor      B) Voltage sensor  
C) **Hall effect sensor (Correct)**      D) Engine knocking sensor

14. Which sensor is used to sense vibration?

- A) **Engine knocking sensor (Correct)**      B) Hall effect sensor  
C) Air vertex sensor      D) Vehicle speed sensor

15. Which type of sensor used to monitor the injection timing and ignition timing of engine?

- A) Pressure sensor      B) Throttle position sensor  
C) **Crank and cam, shaft position sensor (Correct)**      D) Engine knocking sensor

16. Which sensor is used to alert the driver of unseen obstacles?

- A) Speed sensor
- B) Parking sensor (Correct)**
- C) Torque sensor
- D) Pressure sensor

17. Which part of cold start system allow additional air to bypass the throttle plate?

- A) Auxiliary air valve (Correct)**
- B) Air supply relay
- C) Thermo time switch
- D) Oxygen sensor

18. What is the purpose of tachometer?

- A) Indicate coolant temperature
- B) Indicate engine RPM (Correct)**

C) Indictae fuel level

D) Indicate oil pressure

19. What is the advantage of EFI engine management system?

- A) Increased thermal efficiency
- B) Increased mechanical efficiency
- C) Better starting and acceleration (Correct)**
- D) Effective fuel distribution achieved

20. What is the effect on engine performance if air leak in the induction system observed?

- A) Engine hard to start - Hot**
- B) Engine cranks but will not start
- C) Pressure regulator (Incorrect)
- D) Engine produce abnormal noise