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Score: 22/34 (64.71%)

Code: 3049

1. How electrons move in a conductor?

- A) Current  
 B) Resistance  
 C) Conductance (Incorrect)  
**D) Voltage difference**

2. Which is the Ohm's Mathematical Expression?

- A)  $I=(V/R)$  (Correct)**  
 B)  $I=(R/V)$   
 C)  $V=(I/R)$   
 D)  $R=(I/V)$

3. What type of resistor is used in the vehicle flasher unit?

- A) Ballast resistor**  
 B) Film resistor  
 C) Printed resistor  
 D) Integrated resistor (Incorrect)

4. Which material is required to make integrated circuit chips?

- A) zinc  
 B) steel  
**C) silicon (Correct)**  
 D) copper

5. Which electronic component is used as a solid state switch?

- A) Inductor (Incorrect)  
 B) Resistor  
 C) Capacitor  
**D) Transistor**

6. Which is a temperature sensitive resistor?

- A) Diode (Incorrect)  
 B) Thyristor  
**C) Thermistor**  
 D) Transistor

7. Which component is used to measure the engine coolant temperature?

- A) Thermistor**  
 B) Resistor  
 C) Transistor  
 D) Diode (Incorrect)

8. What is the permissible voltage drop in the electrical circuit?

- A) 0.1 V  
**B) 0.2 V (Correct)**  
 C) 0.3 V  
 D) 0.4 V

9. How many cells are in the 12V Battery?

- A) 2 cells  
**B) 6 cells (Correct)**  
 C) 9 cells  
 D) 12 cells

10. What is the material of positive plate in the lead acid Battery?

- A) Tin  
 B) **Lead peroxide (Correct)**  
 C) Antimony  
 D) Spongy lead

11. What is the material of negative plate in the lead acid Battery?

- A) Spongy lead**  
 B) Tin  
 C) Antimony (Incorrect)  
 D) Lead peroxide

12. What is the colour of positive plates in the charged lead - acid - battery?

- A) Grey  
**B) Brown (Correct)**  
 C) White  
 D) Black

13. How the lead acid Battery is classified?

- A) Dry cell (Incorrect)  
**B) Secondary cell**  
 C) Alkaline cell  
 D) Primary cell

14. Which part connects the petrol engine inlet manifold?

- A) Air filter  
 B) Injector  
**C) Carburetor (Correct)**  
 D) Fuel pump

15. What is the material of inlet manifold?

- A) Brass  
 B) Bronze  
 C) Stainless steel  
**D) Aluminium alloy (Correct)**

16. Which component is related to exhaust system?

- A) Muffler (Correct)**  
 B) Air filter  
 C) Carburetor  
 D) Injection pump

17. Which is related to pneumatic system?

- A) Steam  
 B) Electric  
**C) Compressed air (Correct)**  
 D) Pressurized water

18. Where is the turbocharger mounted?

- A) Air filter  
 B) Inlet manifold (Incorrect)  
 C) Cylinder head  
**D) Exhaust manifold**

19. What is the material of exhaust manifold?

- A) Brass  
**C) Cast iron (Correct)**
- B) Bronze  
D) Steel alloy

20. Which type of muffler produces anti noise without restricting exhaust flow?

- A) Baffle type  
C) Reverse flow type
- B) Electronic type (Correct)**  
D) Straight through type

21. Which type of muffler is fitted with sensors and microphone ?

- A) Electronic type (Correct)**
- B) Resonance type  
C) Reverse flow type  
D) Straight through type

22. Which process is taken place in catalytic convertor?

- A) Thermal  
**C) Chemical (Correct)**
- B) Physical  
D) Biological

23. What is the purpose of the turbo charger?

- A) Save power  
C) Filter the exhaust gas
- B) Scavenging  
**D) Pump more air into the cylinder (Correct)**

24. How does a turbocharger get drive?

- A) By belt  
C) By inlet gas
- B) By gear  
**D) By exhaust gas (Correct)**

25. Which one of the following acts as a flame arrester during engine back fire?

- A) Muffler (Incorrect)  
**C) Air filter**
- B) Oil filter  
D) Fuel filter

26. Which type of filter element is fitted in dry type air cleaner?

- A) Cloth  
C) Strainer
- B) Paper (Correct)**  
D) Wire mesh

27. What is the purpose of the muffler in the exhaust system?

- A) To reduce the heat
- B) To reduce the noise (Correct)**

- C) To reduce the vibration  
D) To filter the exhaust gases

28. Where the exhaust system muffler is connected?

- A) Between exhaust pipe and tail pipe (Correct)**
- B) Between tail pipe and exhaust manifold  
C) Between engine head and exhaust manifold  
D) Between exhaust pipe and exhaust manifold

29. Where the catalytic converters are used?

- A) Fuel system  
**C) Exhaust system (Correct)**
- B) Inlet system  
D) Lubrication system

30. What is the purpose of catalytic converter?

- A) Control the noise  
C) Control the temperature
- B) Control the emission**  
D) Control the fuel consumption (Incorrect)

31. Where the catalytic converter is fitted?

- A) Between muffler and tail pipe  
C) Between tail pipe and resonator pipe
- B) Between exhaust pipe and muffler (Correct)**  
D) Between engine head and exhaust manifold

32. Which are the materials commonly used in the catalytic converter?

- A) Zinc and molybdenum  
C) Asbestos and ceramics
- B) Palladium and platinum**  
D) Chromium and vanadium (Incorrect)

33. What is the reason to decrease the volumetric efficiency in exhaust system?

- A) Low noise  
C) Low temperature
- B) High temperature  
**D) Excessive back pressure (Correct)**

34. Which metal in the fuel is to be avoided while fitting catalytic convertor?

- A) Tin  
C) Chromium (Incorrect)
- B) Lead**  
D) Phosphorus