AE IMPORTANT QUESTIOS

SHORT QUESTOINS

1 Define volatility.

2 How will you differentiate between two stroke engine and four stroke engines?

3 What is meant by carburetion?

4 Define the terms vaporization and atomization

5 List the various parts of a single plate clutch.

6 Why multi-plate clutches are used in automobiles?

7 What are the types of brakes?

8 What is tandem master cylinder?

9 What are the alternative fuels available?

10 What is automobile ?

LON QUESTIONS

11 A) What are the alternative fuels?

B) What are the various properties of gaseous fuel?

12 Why diesel engines are not preferred in commercial?

13 A) what are the difference between battery coil ignition and magneto ignition system?

B) State the requirements of ignition system? And state its types

14 What is the purpose of cooling system? State the merits and demerits of air and water cooling system.

15 Write the purpose and types of Lubrication System.

16 What is clutch? Explain briefly about single plate clutch.

17 A) What is the function of brake? State its types and functions.

B) What is regenerative braking?

18 Explain briefly Ackermann steering mechanism with a neat sketch.

19 A) What are advantages of LPG over conventional fuels?

B) What are the disadvantages of using alcohol as an alternative fuel?

20 What is classification of automobiles ?

SHORT

1 What is the range of engine efficiency in case of two stroke engine?

2 Definition of Octane number & Cetane number

3 What is carburetor?

4 What does a mixing chamber do?

5 State the functions of transmission system.

6 What is a clutch?

7 What are the braking requirements?

8 What are brake drums?

9 Define flame speed.

10 Which gas has the highest ignition temperature?

Part-B

LONG

11 Why diesel engines are not preferred in commercial ?

12 Explain briefly the various types of chassis construction with the help of suitable diagrams and the types of frame with neat sketch.

13 What is the purpose of cooling system? State the merits and demerits of air and water cooling system.

14 Explain Pressure cooling system.

15 What is clutch? Explain briefly about single plate clutch.

16 Describe about the mechanical brake system.

17 Explain briefly Ackermann steering mechanism with a neat sketch.

18 Write about pneumatic braking in automobile.

19 A) What are the alternative fuels?

B) What are the various properties of gaseous fuel?

20 A) What is BIO- DIESEL? State its advantages.

B) What are advantages of LPG over conventional fuels?

SHORT

1 What is toe in ?

2 What is meant by lubrication?

3 List any two batteries used in automobiles.

4 Define battery life.

5 What do you mean by fluid flywheel?

6 What is the function of a gearbox?

7 Define caster angle.

8 What are the types of water cooling?

9 Mention the methods of producing hydrogen gas.

10 List down the vehicles that use electricity as fuel.

LONG

11 Write construction and Components of automobile?

12 Explain Basic Parts of the Gasoline Engine.

13 Explain Pressure cooling system.

14 Explain the Introduction of Ignition System

15 Explain the sliding mesh gearbox with a suitable sketch.

16 Difference between Hotchkiss Drive mechanism and Torque tube Drive

17 Write about pneumatic braking in automobile.

18 Explain briefly about CAMBER,CASTOR,TEO IN and TOE OUT.

19 A) What is BIO- DIESEL? State its advantages.

B) What are advantages of LPG over conventional fuels?

20 A) What are the main components of electric and hybrid vehicles?

B) What are the disadvantages of using alcohol as an alternative fuel?

SHORT

1 What is under steering ?

2 Classify automobiles with respect to the drive of the vehicle.

3 What does generator and motor do?

4 State the carburetor trouble shooting according to poor engine pickup.

5 Name the two types of propeller shafts.

6 Classify universal joints.

7 What is over steering?

8 State the major types of automobiles according to the fuel used

9 List out the various forms of natural gas.

10 Write down the components of LPG equipment.

LONG

11 What is steering geometry ?

12 Explain the Simple Carburetor.

13 Explain the Introduction of Ignition System

14 What are the factors affecting the capacity of a capacitor.

15 Describe about the mechanical brake system.

16 What is suspension system? what is the purpose of suspension.

17 Explain briefly about CAMBER,CASTOR,TEO IN and TOE OUT.

18 Explain integral and semi integral type vehicle body construction.

19 A) What are the main components of electric and hybrid vehicles?

B) What are the disadvantages of using alcohol as an alternative fuel?

20 What are the types of fuel cell? State the advantages of fuel cell.

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