**Questions Bank**

**ATM1**

Multiple Choice Questions

1. ----- IS ALSO CALLED BRAKDOWN MAINTANANCE

A) RUN TO FAILURE MAINTANANCE B) PRVENTIVE MAINTANANCE C)PLANED MAINTNANCE D)REACTIVE MAINTANANCE

2) -------- IS PRESSURE OPERATIVE PART OF COOLING SYSTEM

A) PRESSURE CAP B) THERMOSTAT VALVE C)BOTH A&B D)NON OF THESE

3) FORMULA OF IHP ---------?

A) PLDK/33000 B)PLANL/33000 C)PLASK/33000 D)PLANK/33000

4)FORMULA OF BHP----------?

A) 2(PI)(TORQE)(RPM)/33000 B)2(PI)(RPM)(TORQE)/33000

C )2(TORQE)(PI)(RPM) D)NON OF THESE

5)THE TOTAL AMOUNT OF POWER DEVELOPED BY AN ENGINE IS CALLED --------

A) IHP B)BHP C)NON OF THESE D) ALL OF THESE

6) THE TOTAL AMOUNT OF POWER TRANSFERED TO THE PROPELLER\_\_\_

A) IHP B)BHP C)FHP D)ALL OF THESE

7)---------IS THE PRESSURE OPERATING PART

A) PRESSURE RELIEF VALVE B)FUEL PUMP C)THERMOSTAT VALVE D)NON OF THESE

8). The power actually developed inside the engine cylinder is called as

(A) Indicated power

(B) Brake power

(C) Frictional power

(D) None of these

9)--------CHARGED THE BATTERY

A)TURBO CHARGER B)ALTERNATOR C)CURENT D)NON OF THESE

10)The motion of the cam is transferred to the valves through

(A) Piston (B) Rocker arms (C) Camshaft pulley (D) Valve stems

11) MORSE TEST USED FOR ---------

A) MEASURING ENGINE POWER B)MAINTENANCE TEST C)CALCULATING RPM D)NON OF THESE

12) WHEN OIL CHANGED THE REQUREMENT ------- ALSO CHANGED

A) FUEL FILTER B)AIR FILTER C)BOTH A&B D)OIL FILTER

13) PRESSURE FUEL SUPPLY SYSTEM &------------ IT’S A TYPE OF FUEL SUPPLY SYSTEM

A)COMMON SYSTEM B)COOLING SYSTEM C)GRAVITY SYSTEM D)LIQUID SYSTEM

14) IN COOLING SYSTEM RADIATOR USE FOR------------

A) TRANSFER THE COOLANT B)COOL THE COOLANT C)STORED COOLANT D)ALL OF THESE

15) ENGINE DOES NOT START DUE TO

A) BATTERY DISCHARGEDN B)FUEL LOWC)IGNITION SWITCH OFF D)ALL OF THESE

16) TYPES OF MAINTENANCE OF VEHICLE ----------

A)PREVENTIVE B)BREAKDOW C)DAY TO DAY D)ALL OF THESE

17)THE COOLING SYSTEM MAIN WORKING OF -------------

A) COOL THE ENGINE B)MAINTANE ENGINE TEMPRETURE C)BOTH A&B D)NON OF THESE

18) In a single dry plate clutch, torsional vibrations are absorbed by

(A) Coil springs known as torsional springs

(B) Cushion springs

(C) Central hub

(D) Clutch pedal

19)The advantage of a tubeless tyre over tube type tyre is

(A) Slow air leakage

(B) Better fuel efficiency

(C) Less chances of running flat

(D) All of these

20) If the air-fuel mixture in a spark ignition engine is too rich, then air-fuel ratio is about

(A) 17:1

(B) 15:1

(C) 13:1

(D) 10:1

**SHORT QUESTIONS 5 MARKS( 12)**

1) Piston ring compressor ? 2) Piston ring expander ?

3What cause piston slap?

4)Mention the three different method of removing the piston and connecting rod?

5) What are the reason for crankshaft is wear?

6) What are the main causes of crankshaft vibration?

7)Define the work ? 8)Define the power ?

9) Compression ratio? 10)Define IHP?

11) DefineBHP? 12) Heat balance sheet?

**LONG QEATIONS 5MARKS ( 15)**

1)What is the preventive maintenance?

2)What is the breakdown maintenance?

3)Explain the working of cooling system?

4)Explain the working of fuel system?

5)Explain the working of ignition system?

6)Explain the working of starting system?

7)Engine start but does not stay on idle condition?

8)Give remedy and causes engine produce black smoke?

9)What is IHP?

10)What is BHP?

11)What is morse test?

12)Engine start but stop immediately?

13)Give classification of maintenance?

14)Explain the service of break system?

15)Give short note on thermostat vale ?

**Long questions 10marks ( 10)**

1)Draw neat sketch diagram of cooling system and explain its working?

2)Draw neat sketch diagram of ignition system and explain its working?

3)Draw neat sketch diagram of fuel system and explain its working?

4)draw neat sketch diagram of starting system and explain its working?

5)Draw neat sketch diagram of breaking system and explain its working?

6)Explain the working of thermostat valve and fuel pump ?

7)explain the following term ? a)IHP b)BHP c)FHP d)morse test

8)Explain in detail preventive and breakdown maintenance?

9)Engine produce more noise?

10)Explain the heat balance sheet in detail?