

Duration: 30 Mins

Total Marks: 30

ID: ITISKILL2820VB

Student Name: _____ Roll No: _____

1. What is the material generally used for manufacturing inlet manifold?

- A) Steel B) Aluminium alloy
C) Copper D) Plastic

2. What is the reason for engine over heating?

- A) External fuel leak B) Oil pressure high
C) Improper injection timing D) Defective starting motor

3. What is called the distance between TDC to BDC?

- A) Power B) Torque
C) Cycle D) Stroke

4. What is the reason for engine low power generation?

- A) External leakage of oil B) Defective alternator
C) Clogged thermostat valve D) Weak compression

5. Where is turbocharger mounted?

- A) Air cleaner B) Inlet manifold
C) Cylinder head D) Exhaust manifold

6. Where the water in cooling system?

- A) Expansion tank B) Radiator lower tank
C) Radiator upper tank D) Engine water jacket

7. Which is the engine most preferred in aeroplanes?

- A) Opposed engine B) Inline Engine
C) Radial engine D) V-Engine

8. How the piston stroke is defined as?

- A) Double the throw B) 4 times of throw
C) Half of the throw D) Equal to the throw

9. Which is the engine having cylinders at 60 Degree?

- A) Inline Engine B) Opposed engine
C) V-Engine D) Radial engine

10. What is the reason for high fuel consumption in diesel engine?

- A) High compression pressure B) Oil level high
C) Air cleaner clogged D) Fuel level in tank is high

11. Where the positive crank case ventilation fitted?

- A) Engine breather and air cleaner B) Controller and air cleaner
C) Muffler and air cleaner D) Feed pump and air cleaner

12. Which engine emits more amount of nitrogen oxides (NO_x)?

- A) Compressed ignition engine B) Two stroke engine
C) LPG engine D) Spark ignition engine

13. What is the mechanical cause for engine does not start?

- A) Improper valve timing B) Defective starter switch
C) No water in fuel D) Defective oil pump

14. What is the reason for high oil consumption?

- A) Improper valve timing B) Clogged fuel filter
C) Defective pressure gauge D) Excessive valve guide clearance

15. In which type of cooling system used fins on the cylinder head?

- A) Oil cooling B) Air cooling
C) Liquid cooling D) Water cooling

16. Which is the engine adopts hand cranking?

- A) Small engine B) Stationary engine
C) LMV engine D) Heavy vehicles

17. Which lubrication system used separate oil tank?

- A) Petrol-oil lubrication B) Wet sump lubrication
C) Dry sump lubrication D) Splash lubrication

18. Which device is used in hydraulic brake system?

- A) Master cylinder B) Un loader cylinder

C) Pressure gauge

D) Air tank

19. Which part is forced to circulate the water in forced feed engine cooling system?

A) Pump

B) Water jacket

C) Thermostat

D) Density of water

20. Which pollutant is released more from diesel engine during weak compression?

A) Particulate matter

B) Nox

C) HC

D) Co

21. What is the mechanical causes engine does not start?

A) Starter motor mounting bolt loose

B) Defective alternator

C) Defective thermostat valve

D) Clogged fuel filter

22. Which engine is more economical and compact?

A) Inline engine

B) V-Engine

C) Radial engine

D) Opposed engine

23. Which is the hydro carbon emission released directly from engine to the atmosphere

A) Fuel tank and carburettor

B) Crank case and exhaust system

C) Fuel tank and crank case

D) Fuel tank and exhaust

24. What is the purpose of EGR (Exhaust gas recirculation) valve?

A) Reduce SO₂

B) Reduce CO₂

C) Reduce CO

D) Reduce Nox

25. Which device converts mechanical into pneumatic energy?

A) Generator

B) Actuator

C) Compressor

D) Alternation

26. What is the use of bourdon gauge?

A) To measure volume

B) To measure temperature

C) To measure pressure

D) To measure heat

27. What is the reason for engine over heating?

A) Defective thermostat valve

B) Clogged fuel filter

C) Fuel leakage

D) External leakage of oil

28. Name the drive of turbo charger?

A) Engine drive

B) Exhaust gas pressure

C) Electric motor drive

D) Compressed air

29. What is the effect of taper and ovality of a bore?

A) False valve timing

B) Mis firing

C) Compression loss

D) Difficult starting

30. Which type of lubrication system used in two stroke engine?

A) Petrol-oil lubrication

B) Splash lubrication

C) Wet sump lubrication

D) Dry sump lubrication