

Duration: 30 Mins

Total Marks: 30

Q.ID: ITISKILL2820VB

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

- A) Difficult starting B) Mis firing
C) False valve timing D) Compression loss

Answer: D) Compression loss

2. Where the positive crank case ventilation fitted?

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

Answer: B) Engine breather and air cleaner

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

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

Answer: B) V-Engine

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

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

Answer: B) Air cleaner clogged

5. Which is the engine most preferred in aeroplanes?

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

Answer: D) Radial engine

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

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

Answer: D) Aluminium alloy

7. Which lubrication system used separate oil tank?

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

Answer: B) Dry sump lubrication

8. Which is the engine adopts hand cranking?

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

Answer: C) Small engine

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

- A) HC B) Nox
C) Particulate matter D) Co

Answer: C) Particulate matter

10. Which device is used in hydraulic brake system?

- A) Pressure gauge B) Air tank
C) Un loader cylinder D) Master cylinder

Answer: D) Master cylinder

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

- A) Reduce CO₂ B) Reduce Nox
C) Reduce SO₂ D) Reduce CO

Answer: B) Reduce Nox

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

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

Answer: A) Stroke

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

- A) Defective thermostat valve B) Starter motor mounting bolt loose
C) Defective alternator D) Clogged fuel filter

Answer: D) Clogged fuel filter

14. Which device converts mechanical into pneumatic energy?

- A) Compressor B) Actuator
C) Generator D) Altenation

Answer: A) Compressor

15. What is the reason for engine over heating?

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

Answer: C) Improper injection timing

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

- A) LPG engine B) Two stroke engine

- C) Spark ignition engine D) Compressed ignition engine

Answer: D) Compressed ignition engine

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

- A) Fuel tank and crank case B) Crank case and exhaust system
C) Fuel tank and carburettor D) Fuel tank and exhaust

Answer: B) Crank case and exhaust system

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

- A) Thermostat B) Pump
C) Density of water D) Water jacket

Answer: B) Pump

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

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

Answer: A) Weak compression

20. What is the reason for high oil consumption?

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

Answer: D) Excessive valve guide clearance

21. Name the drive of turbo charger?

- A) Compressed air B) Electric motor drive
C) Exhaust gas pressure D) Engine drive

Answer: C) Exhaust gas pressure

22. What is the use of bourdon gauge?

- A) To measure pressure B) To measure volume
C) To measure heat D) To measure temperature

Answer: A) To measure pressure

23. Where is turbocharger mounted?

- A) Cylinder head B) Air cleaner

- C) Exhaust manifold D) Inlet manifold

Answer: C) Exhaust manifold

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

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

Answer: A) Petrol-oil lubrication

25. 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

Answer: A) Improper valve timing

26. Which engine is more economical and compact?

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

Answer: C) V-Engine

27. What is the reason for engine over heating?

- A) Defective thermostat valve B) Fuel leakage
C) External leakage of oil D) Clogged fuel filter

Answer: A) Defective thermostat valve

28. How the piston stroke is defined as?

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

Answer: D) Double the throw

29. Where the water in cooling system?

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

Answer: B) Radiator lower tank

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

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

Answer: C) Air cooling