

ITI Quiz - 12-Mar-2026

01:24 PM

Q. ID: ITISKILL1902P0

March 2026

Answer Key

Duration: 30 Mins

Total Marks: 25

Q.ID: ITISKILL1902P0

1. Which is the load taken by the roller bearing?

- A) Thrust load
- B) Axial load
- C) Radial and axial load
- D) Radial load

Answer: D) Radial load

2. What is the material for cam shaft?

- A) Zinc alloy
- B) Aluminium alloy
- C) Copper alloy
- D) Forged alloy steel

Answer: D) Forged alloy steel

3. What is the type of hardening done on crank shaft?

- A) Curve hardening
- B) Induction hardening
- C) Surface hardening
- D) Case hardening

Answer: B) Induction hardening

4. What is the reason for corrosion of bearing?

- A) Over heated
- B) Over loaded
- C) Less clearance
- D) Water mixed with lubricant

Answer: D) Water mixed with lubricant

5. Which instrument is used to check the vacuum of the cylinder?

- A) Wire gauge
- B) Vacuum gauge
- C) Dial gauge
- D) Compression gauge

Answer: B) Vacuum gauge

6. Which is the most preferred use of taper roller bearings?

- A) Differential and wheel hub
- B) Connecting rods
- C) Gear boxes
- D) Fly wheel and water pump

Answer: A) Differential and wheel hub

7. Which is the key element in converting reciprocating motion in to rotary motion?

- A) Cam shaft
- B) Connecting rod
- C) Gudgeon pin
- D) King pin

Answer: B) Connecting rod

8. What is the cause for uneven wear of bearings?

- A) Over heat
- B) Bend twist
- C) No lubrication
- D) Excessive lubrication

Answer: B) Bend twist

9. Where the fly wheel is fitted in the engine?

- A) Cam shaft
- B) Crank shaft
- C) Primary shaft
- D) Rocker arm shaft

Answer: B) Crank shaft

10. What is the purpose of the timing chain?

- A) To connect A/C compressor
- B) To connect crank or cam shaft gear
- C) To connect water pump pulley
- D) To connect alternator

Answer: B) To connect crank or cam shaft gear

11. Which tool used to remove the crank shaft pulley?

- A) Pipe wrench
- B) Double and spanner
- C) Puller
- D) Ring spanner

Answer: C) Puller

12. Which measuring instrument used to check the fly wheel face out?

- A) Outside micrometer
- B) Compression gauge
- C) Dial indicator
- D) Feeler gauge

Answer: C) Dial indicator

13. What is the material used to produce crank shaft?

- A) High speed steel
- B) Wrought iron
- C) Chromium vanadium nickel steel
- D) Cast iron

Answer: C) Chromium vanadium nickel steel

14. Which tool is required to remove the valves?

- A) Box spanner
- B) Valve spring lifter
- C) Scraper
- D) Torque wrench

Answer: B) Valve spring lifter

15. What is the cause of excessive loading?

- A) Bearing crush
- B) Bearing struck
- C) Bearing spread
- D) Fatigue failure

Answer: D) Fatigue failure

16. What is the material of cylinder block?

- A) Zinc alloy
- B) Bronze
- C) Brass
- D) Cast iron

Answer: D) Cast iron

17. What is the load taken by taper roller bearing?

- A) Radial load
- B) Thrust load
- C) Radial and axial load
- D) Axial and radial load

Answer: D) Axial and radial load

18. Where is the compression ring is fitted in the piston?

- A) Compression ring above the oil ring in the piston
- B) Compression ring between piston pin and bottom of skirt
- C) Compression ring between oil ring and piston pin
- D) Compression ring bottom of the piston skirt

Answer: A) Compression ring above the oil ring in the piston

19. What is ovality of a crank shaft?

- A) Difference in dia measured from top to bottom of a crank shaft outer dia
- B) Difference in dia measured only at top
- C) Difference in dia measured thrust to non thrust across dia
- D) Difference in dia measured only at bottom

Answer: C) Difference in dia measured thrust to non thrust across dia

20. Which instrument is used to check the tappet clearance?

- A) Feeler gauge
- B) Telescopic gauge
- C) Screw pitch gauge
- D) Wire gauge

Answer: A) Feeler gauge

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

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

Answer: C) Compression loss

22. Which tool is used to remove the piston ring?

- A) Circlip plier
- B) 'C' clamp
- C) Ring expander
- D) Drift punch

Answer: C) Ring expander

23. Which part is connect the piston with crank pin?

- A) Crank Shaft
- B) Connecting rod
- C) Push rod
- D) Cam Shaft

Answer: B) Connecting rod

24. Which is transferring energy for the piston to crankshaft?

- A) Cam shaft
- B) King pin
- C) Connecting rod
- D) Gudgeon pin

Answer: C) Connecting rod

25. What is the speed ratio cam shaft to crank shaft?

- A) Half
- B) Triple
- C) Double
- D) Equal

Answer: A) Half