

ITI Quiz - 30-Mar-2026

06:29 PM

Q. ID: ITISKILL81709L

March 2026

Answer Key

Duration: 31 Mins

Total Marks: 43

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1. Which is the bearing used in gear boxes?

- A) Roller bearing
- B) Taper roller bearing
- C) Ball bearing
- D) Needle bearing

Answer: C) Ball bearing

2. Which is the most preferred use of roller bearings?

- A) Gear boxes
- B) Connecting rods
- C) Fly wheel
- D) Differential

Answer: A) Gear boxes

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

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

Answer: C) Bend twist

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

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

Answer: B) Vacuum gauge

5. What is the name the portion below the piston boss?

- A) Crown of the piston
- B) Ring section of the piston
- C) Land of the piston
- D) Skirt of the piston

Answer: D) Skirt of the piston

6. What is the cause of excessive loading?

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

Answer: C) Fatigue failure

7. Which is the bearing used in water pump?

- A) Needle bearing
- B) Roller bearing
- C) Ball bearing
- D) Taper roller bearing

Answer: C) Ball bearing

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

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

Answer: B) Feeler gauge

9. What is the purpose of the timing chain?

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

Answer: A) To connect crank or cam shaft gear

10. Which tool is used to measure the diameter of the crank shaft main journal?

- A) Inside micrometer
- B) Three point internal micrometer
- C) Outside micrometer
- D) Master ring gauge

Answer: C) Outside micrometer

11. What is the material of piston pins?

- A) HSS
- B) Bronze
- C) Nickel chromium steel
- D) Cast iron

Answer: C) Nickel chromium steel

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

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

Answer: A) Connecting rod

13. When it is required to coincide the mark with timing gears?

- A) During assembling oil pump
- B) During assembling radiator
- C) During assembling cam shaft
- D) During assembling water pump

Answer: C) During assembling cam shaft

14. Which part connect the piston with connecting rod?

- A) Spilt pin
- B) Cotter pin
- C) Piston pin
- D) Crank pin

Answer: C) Piston pin

15. Which tool used to remove the crank shaft pully?

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

Answer: C) Puller

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

- A) Compression ring bottom of the piston skirt
- B) Compression ring between piston pin and bottom of skirt

C) Compression ring between oil ring and piston pin
D) Compression ring above the oil ring in the piston

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

17. What is the property allows a bearing to with stand impact load for a reasonable time?

A) Toughness
B) Hardness
C) Fatigue strength
D) Tensile strength

Answer: C) Fatigue strength

18. What is the reason for corrosion of bearing?

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

Answer: D) Water mixed with lubricant

19. Which is the most preferred use of bush bearings?

A) Connecting rods
B) Crank shaft
C) Oil pumps
D) Fly wheel

Answer: D) Fly wheel

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

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

Answer: B) Crank shaft

21. What is the purpose of the fly wheel timing mark?

A) To set the F.I.P timing
B) To coincide the gears
C) To set the valve clearance
D) To set the engine timing

Answer: D) To set the engine timing

22. Which gauge used to measure the cylinder bore weariness?

A) Vacuum gauge
B) Compression gauge
C) Dial gauge
D) Depth gauge

Answer: C) Dial gauge

23. What is the material of cylinder block?

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

Answer: C) Cast iron

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

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

Answer: D) Differential and wheel hub

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

A) Miss firing
B) Compression loss

C) Difficult starting
D) False valve timing

Answer: B) Compression loss

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

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

Answer: A) Connecting rod

27. Which is connected with piston through piston pin?

A) Cam shaft
B) Connecting rod
C) Gudgeon pin
D) Rocker arm

Answer: B) Connecting rod

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

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

Answer: B) Half

29. Which tool is required to remove the valves?

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

Answer: D) Valve spring lifter

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

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

Answer: C) Radial load

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

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

Answer: C) Axial and radial load

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

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

Answer: A) Ring expander

33. What is the property of a bearing helps to with stand metal to metal contact?

A) Thermal conductivity
B) Embeddability
C) Surface action
D) Fatigue strength

Answer: C) Surface action

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

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

Answer: A) Chromium vanadium nickel steel

35. Which is the bearing used in differential and wheel of a heavy vehicles?

- A) Taper roller bearing
- B) Roller bearing
- C) Needle bearing
- D) Ball bearing

Answer: A) Taper roller bearing

36. What is the property of bearing helps to absorb dirt and metal particles?

- A) Surface action
- B) Thermal conductivity
- C) Embedability
- D) Conformability

Answer: C) Embedability

37. What is the material for cam shaft?

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

Answer: C) Forged alloy steel

38. What is ovality of a crank shaft?

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

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

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

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

Answer: D) Induction hardening

40. 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

41. What is ovality of a bore?

- A) Difference in dia measured only at top
- B) Difference in dia measured top to bottom
- C) Difference in dia measured only at bottom
- D) Difference in dia thrust to non thrust side of cylinder

Answer: D) Difference in dia thrust to non thrust side of cylinder

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

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

Answer: B) Dial indicator

43. What type of bearing fitted in the connecting rod big end?

- A) Shell bearing
- B) Ball bearing
- C) Needle bearing
- D) Taper roller bearing

Answer: A) Shell bearing