

# ITI Quiz - 30-Mar-2026

## 06:29 PM

Q. ID: ITISKILL81709L

March 2026

Question Paper

Duration: 31 Mins

Total Marks: 43

ID: ITISKILL81709L

Student Name: \_\_\_\_\_ Roll No: \_\_\_\_\_

1. What is the material of cylinder block?

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

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

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

3. Which is the bearing used in water pump?

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

11. What is the material for cam shaft?

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

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

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

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

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

14. What is the purpose of the timing chain?

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

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

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

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

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

17. What is the material of piston pins?

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

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

- A) Puller
- C) Double and spanner

- B) Pipe wrench
- D) Ring spanner

- A) Crank shaft
- C) Connecting rods

- B) Oil pumps
- D) Fly wheel

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

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

20. What is ovality of a crank shaft?

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

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

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

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

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

23. Which part connect the piston with connecting rod?

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

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

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

25. What is ovality of a bore?

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

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

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

27. Which tool is required to remove the valves?

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

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

29. What is the reason for corrosion of bearing?

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

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

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

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

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

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

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

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

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

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

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

35. What is the cause of excessive loading?

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

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

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

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

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

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

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

39. Which is the bearing used in gear boxes?

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

40. Which is connected with piston through piston pin?

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

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

- A) Miss firing
- B) Difficult starting

C) Compression loss

D) False valve timing

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

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

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

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