

ITI Quiz - 09-Mar-2026

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Q. ID: ITISKILL1354FB

March 2026

Answer Key

Duration: 30 Mins

Total Marks: 43

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

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

Answer: C) Feeler gauge

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

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

Answer: B) Puller

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

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

Answer: C) Half

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

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

Answer: D) Surface action

5. What is the material of cylinder block?

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

Answer: D) Cast iron

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

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

Answer: B) Embedability

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

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

Answer: D) Gear boxes

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

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

Answer: C) Differential and wheel hub

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

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

Answer: B) Connecting rod

10. What is ovality of a crank shaft?

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

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

11. 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

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

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

Answer: A) Induction hardening

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

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

Answer: C) Crank shaft

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

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

Answer: D) Ring expander

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

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

Answer: D) Vacuum gauge

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

- A) Taper roller bearing
- B) Ball bearing

- C) Roller bearing D) Needle bearing

Answer: A) Taper roller bearing

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

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

Answer: C) Dial indicator

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

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

Answer: A) Connecting rod

19. What is the material for cam shaft?

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

Answer: C) Forged alloy steel

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

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

Answer: A) To set the engine timing

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

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

Answer: C) Fly wheel

22. Which is the bearing used in gear boxes?

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

Answer: C) Ball bearing

23. Which part connect the piston with connecting rod?

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

Answer: D) Piston pin

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

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

Answer: C) Skirt of the piston

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

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

Answer: D) During assembling cam shaft

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

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

Answer: A) Radial load

27. What is the purpose of the timing chain?

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

Answer: C) To connect crank or cam shaft gear

28. What is the reason for corrosion of bearing?

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

Answer: D) Water mixed with lubricant

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

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

Answer: D) Shell bearing

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

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

Answer: C) Bend twist

31. What is the material of piston pins?

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

Answer: C) Nickel chromium steel

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

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

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

33. 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

Answer: B) Axial and radial load

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

- A) Miss firing B) Difficult starting

C) Compression loss D) False valve timing

Answer: C) Compression loss

35. 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

36. What is ovality of a bore?

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

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

37. What is the cause of excessive loading?

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

Answer: D) Fatigue failure

38. Which is connected with pison through piston pin?

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

Answer: A) Connecting rod

39. Which is the bearing used in water pump?

A) Needle bearing

C) Roller bearing

B) Ball bearing

D) Taper roller bearing

Answer: B) Ball bearing

40. Which tool is required to remove the valves?

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

Answer: A) Valve spring lifter

41. Which gauge used to measure the cylinder bore wearness?

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

Answer: B) Dial gauge

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

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

Answer: D) Outside micrometer

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

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

Answer: A) Connecting rod