

ITI Quiz - 03-Mar-2026

09:05 PM

Q. ID: ITISKILL6779DG

March 2026

Answer Key

Duration: 50 Mins

Total Marks: 43

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

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

Answer: C) Shell bearing

2. What is the purpose of the timing chain?

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

Answer: D) To connect crank or cam shaft gear

3. Which part connect the piston with connecting rod?

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

Answer: B) Piston pin

4. 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

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

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

Answer: B) Vacuum gauge

6. What is the material for cam shaft?

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

Answer: D) Forged alloy steel

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

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

Answer: D) Induction hardening

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

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

Answer: A) Puller

9. Which is connected with pison through piston pin?

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

Answer: C) Connecting rod

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

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

Answer: B) Dial gauge

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

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

Answer: B) Connecting rod

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

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

Answer: B) Fly wheel

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

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

Answer: B) Crank shaft

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

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

Answer: B) Taper roller bearing

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

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

Answer: D) Axial and radial load

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

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

Answer: A) Surface action

17. 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

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

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

Answer: A) Embedability

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

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

Answer: A) Chromium vanadium nickel steel

20. What is ovality of a crank shaft?

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

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

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

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

Answer: D) Bend twist

22. What is the cause of excessive loading?

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

Answer: D) Fatigue failure

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

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

Answer: B) During assembling cam shaft

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

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

Answer: B) Differential and wheel hub

25. 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

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

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

Answer: C) Dial indicator

27. What is ovality of a bore?

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

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

28. 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 F.I.P timing
- D) To set the valve clearance

Answer: A) To set the engine timing

29. Which is the bearing used in gear boxes?

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

Answer: D) Ball bearing

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

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

Answer: B) Connecting rod

31. 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 above the oil ring in the piston
- D) Compression ring between oil ring and piston pin

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

32. What is the material of cylinder block?

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

Answer: B) Cast iron

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

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

Answer: A) Half

34. Which is the bearing used in water pump?

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

Answer: B) Ball bearing

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

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

Answer: D) Feeler gauge

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

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

Answer: C) Gear boxes

37. What is the reason for corrosion of bearing?

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

Answer: C) Water mixed with lubricant

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

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

Answer: A) Ring expander

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

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

Answer: A) Fatigue strength

40. 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

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

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

Answer: C) Radial load

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

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

Answer: A) Skirt of the piston

43. What is the material of piston pins?

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

Answer: B) Nickel chromium steel