

ITI Quiz - 03-Mar-2026

09:05 PM

Q. ID: ITISKILL6779DG

March 2026

Question Paper

Duration: 50 Mins

Total Marks: 43

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Student Name: _____ Roll No: _____

1. Which part connect the piston with connecting rod?

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

11. Which tool is required to remove the valves?

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

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

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

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

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

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

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

15. What is the purpose of the timing chain?

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

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

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

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

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

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

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

19. What is the reason for corrosion of bearing?

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

20. What is the material of piston pins?

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

21. What is ovality of a bore?

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

22. 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 bottom of the piston skirt D) Compression ring between oil ring and piston pin

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

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

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

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

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

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

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

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

27. What is the material of cylinder block?

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

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

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

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

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

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

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

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

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

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

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

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

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

34. Which is the bearing used in gear boxes?

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

35. What is the cause of excessive loading?

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

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

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

37. Which is the bearing used in water pump?

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

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

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

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

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

40. What is the material for cam shaft?

- A) Forged alloy steel
- C) Copper alloy

- B) Zinc alloy
- D) Aluminium alloy

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

- A) Connecting rod
- C) King pin

- B) Cam shaft
- D) Gudgeon pin

42. What is ovality of a crank shaft?

- A) Difference in dia measured only at top

- B) Difference in dia measured thrust to non thrust across dia

- C) Difference in dia measured only at bottom

- D) Difference in dia measured from top to bottom of a crank shaft outer dia

43. Which is connected with piston through piston pin?

- A) Gudgeon pin
- C) Cam shaft

- B) Connecting rod
- D) Rocker arm