

ITI Quiz - 05-Mar-2026 09:52 PM

Q. ID: ITISKILL46173I | March 2026

58.14% 25 / 43

Student Name	akd	Access Code	2586
Attempt No.	#1	Completion Time	10:00 PM
Rank	#1	Total Questions	43

25 SCORE

43 MAX MARKS

25 CORRECT

18 INCORRECT

Answer Review

Q1 **CORRECT** What is the material used to produce crank shaft?

A. Chromium vanadium nickel steel ☒

B. High speed steel ☐

C. Cast iron ☐

D. Wrought iron ☐

Q2 **CORRECT** What is the material of piston pins?

A. Nickel chromium steel ☒

B. Cast iron ☐

C. HSS ☐

D. Bronze ☐

Q3 **INCORRECT** What is the name the portion below the piston boss?

A. Land of the piston ☐

B. Ring section of the piston ☒

C. Crown of the piston ☐

D. Skirt of the piston ☐

Q4 **INCORRECT** What type of bearing fitted in the connecting rod big end?

A. Needle bearing

B. Ball bearing

C. Taper roller bearing ☐

D. Shell bearing ☐

Q5 **CORRECT** Which part connect the piston with connecting rod?

A. Piston pin ☐

B. Spilt pin

C. Crank pin

D. Cotter pin

Q6 **CORRECT** Which part is connect the piston with crank pin?

A. Push rod

B. Connecting rod ☐

C. Cam Shaft

D. Crank Shaft

Q7 **CORRECT** Which tool used to remove the crank shaft pully?

A. Double and spanner

B. Ring spanner

C. Pipe wrench

D. Puller ☐

Q8 **INCORRECT** Which tool is used to measure the diameter of the crank shaft main journal?

A. Inside micrometer

B. Outside micrometer ☒

C. Three point internal micrometer ☐

D. Master ring gauge

Q9 **CORRECT** What is the material for cam shaft?

A. Forged alloy steel ☒

B. Copper alloy

C. Aluminium alloy

D. Zinc alloy

Q10 **CORRECT** Which tool is required to remove the valves?

A. Torque wrench

B. Valve spring lifter ☒

C. Box spanner

D. Scraper

Q11 **INCORRECT** Which instrument is used to check the vacuum of the cylinder?

A. Compression gauge ☐

B. Dial gauge

C. Vacuum gauge ☒

D. Wire gauge

Q12 **INCORRECT** Which measuring instrument used to check the fly wheel face out?

A. Dial indicator ☐

B. Compression gauge

C. Outside micrometer

D. Feeler gauge ☐

Q13 **CORRECT** 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

Q14 **INCORRECT** What is the property of a bearing helps to with stand metal to metal contact?

A. Surface action ☐

B. Thermal conductivity

C. Fatigue strength

D. Embeddability ☐

Q15 **CORRECT** Which is the most preferred use of roller bearings?

A. Gear boxes ☐

B. Fly wheel

C. Differential

D. Connecting rods

Q16 **CORRECT** Which is connected with piston through piston pin?

A. Gudgeon pin

B. Connecting rod ☒

C. Cam shaft

D. Rocker arm

Q17 **CORRECT** 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

Q18 **INCORRECT** Which is transferring energy for the piston to crankshaft?

A. Gudgeon pin

B. King pin

C. Connecting rod ☒

D. Cam shaft ☐

Q19 **CORRECT** Which is the load taken by the roller bearing?

A. Radial load ☒

B. Axial load

C. Thrust load

D. Radial and axial load

Q20 **INCORRECT** What is the load taken by taper roller bearing?

A. Radial load

B. Axial and radial load ☐

C. Thrust load

D. Radial and axial load ☐

Q21 **INCORRECT** Which is the bearing used in differential and wheel of a heavy vehicles?

A. Ball bearing ☐

B. Roller bearing

C. Needle bearing

D. Taper roller bearing ☐

Q22 **INCORRECT** Which is the bearing used in water pump?

A. Ball bearing ☐

B. Roller bearing ☐

C. Needle bearing

D. Taper roller bearing

Q23 **INCORRECT** Which is the bearing used in gear boxes?

A. Ball bearing ☐

B. Roller bearing ☐

C. Needle bearing

D. Taper roller bearing

Q24 **INCORRECT** Which is the most preferred use of bush bearings?

A. Connecting rods

B. Fly wheel ☐

C. Crank shaft

D. Oil pumps ☐

Q25 **CORRECT** Where is the compression ring 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 oil ring and piston pin

D. Compression ring between piston pin and bottom of skirt

Q26 **CORRECT** Which tool is used to remove the piston ring?

A. Drift punch

B. Ring expander ☐

C. Circlip plier

D. 'C' clamp

Q27 **CORRECT** What is the purpose of the timing chain?

A. To connect water pump pulley

B. To connect alternator

C. To connect crank or cam shaft gear ☐

D. To connect A/C compressor

Q28 **CORRECT** What is the purpose of the fly wheel timing mark?

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

Q29 **CORRECT** Where the fly wheel is fitted in the engine?

- A. Cam shaft
- B. Crank shaft ☒
- C. Rocker arm shaft
- D. Primary shaft

Q30 **CORRECT** What is the speed ratio cam shaft to crank shaft?

- A. Half ☒
- B. Equal
- C. Double
- D. Triple

Q31 **CORRECT** When it is required to coincide the mark with timing gears?

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

Q32 **CORRECT** Which instrument is used to check the tappet clearance?

A. Telescopic gauge

B. Screw pitch gauge

C. Feeler gauge ☒

D. Wire gauge

Q33 **INCORRECT** Which gauge used to measure the cylinder bore weariness?

A. Compression gauge ☐

B. Vacuum gauge

C. Dial gauge ☒

D. Depth gauge

Q34 **CORRECT** What is the property allows a bearing to with stand impact load for a reasonable time?

A. Fatigue strength ☒

B. Tensile strength

C. Toughness

D. Hardness

Q35 **INCORRECT** What is the property of bearing helps to absorb dirt and metal particles?

A. Conformability

B. Embedability ☒

C. Surface action ☐

D. Thermal conductivity

Q36 **CORRECT** What is the cause of excessive loading?

A. Fatigue failure ☐

B. Bearing spread

C. Bearing crush

D. Bearing struck

Q37 **CORRECT** What is the cause for uneven wear of bearings?

A. Bend twist ☐

B. Excessive lubrication

C. No lubrication

D. Over heat

Q38 **INCORRECT** What is ovality of a crank shaft?

A. Difference in dia measured from top to bottom of a crank shaft outer dia ☐

B. Difference in dia measured thrust to non thrust across dia ☐

C. Difference in dia measured only at top

D. Difference in dia measured only at bottom

Q39 **INCORRECT** What is the type of hardening done on crank shaft?

A. Induction hardening ☐

B. Case hardening

C. Surface hardening ☐

D. Curve hardening

Q40 **CORRECT** What is ovality of a bore?

- A. Difference in dia measured top to 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 only at bottom

Q41 **INCORRECT** What is the effect of taper and ovality of a bore?

- A. Compression loss ☒
- B. Miss firing
- C. Difficult starting
- D. False valve timing ☐

Q42 **INCORRECT** What is the material of cylinder block?

- A. Cast iron ☒
- B. Bronze
- C. Brass ☐
- D. Zinc alloy

Q43 **CORRECT** What is the reason for corrosion of bearing?

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