

# ITI Quiz - 05-Mar-2026

## 07:19 PM

Q. ID: ITISKILL1860SX

March 2026

Question Paper

Duration: 50 Mins

Total Marks: 43

ID: ITISKILL1860SX

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

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

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

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

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

3. What is the material of cylinder block?

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

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

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

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

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

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

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

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

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

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

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

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

- A) During assembling oil pump
- B) During assembling cam shaft

C) During assembling radiator

D) During assembling water pump

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

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

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

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

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

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

13. What is the material for cam shaft?

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

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

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

15. Which is the bearing used in gear boxes?

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

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

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

17. Which is the bearing used in water pump?

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

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

- A) Outside micrometer
- B) Inside micrometer

- C) Master ring gauge  
D) Three point internal micrometer
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- 19.** What is the reason for corrosion of bearing?
- A) Over loaded  
B) Water mixed with lubricant  
C) Over heated  
D) Less clearance
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- 20.** What is the material of piston pins?
- A) Bronze  
B) Nickel chromium steel  
C) HSS  
D) Cast iron
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- 21.** What is the type of hardening done on crank shaft?
- A) Surface hardening  
B) Curve hardening  
C) Case hardening  
D) Induction hardening
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- 22.** 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
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- 23.** Which tool is used to remove the piston ring?
- A) 'C' clamp  
B) Circlip plier  
C) Drift punch  
D) Ring expander
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- 24.** What is the material used to produce crank shaft?
- A) High speed steel  
B) Wrought iron  
C) Cast iron  
D) Chromium vanadium nickel steel
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- 25.** Which instrument is used to check the tappet clearance?
- A) Wire gauge  
B) Feeler gauge  
C) Telescopic gauge  
D) Screw pitch gauge
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- 26.** 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
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- 27.** Which part connect the piston with connecting rod?
- A) Crank pin  
B) Spilt pin  
C) Piston pin  
D) Cotter pin
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- 28.** Which tool used to remove the crank shaft pully?
- A) Puller  
B) Pipe wrench  
C) Ring spanner  
D) Double and spanner
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- 29.** Which gauge used to measure the cylinder bore

wearness?

- A) Compression gauge  
B) Dial gauge  
C) Depth gauge  
D) Vacuum gauge
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- 30.** 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 top to bottom  
D) Difference in dia measured only at top
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- 31.** Which is the key element in converting reciprocating motion in to rotary motion?
- A) Connecting rod  
B) Gudgeon pin  
C) Cam shaft  
D) King pin
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- 32.** What is the load taken by taper roller bearing?
- A) Axial and radial load  
B) Radial and axial load  
C) Radial load  
D) Thrust load
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- 33.** 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
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- 34.** What is the purpose of the timing chain?
- A) To connect A/C compressor  
B) To connect crank or cam shaft gear  
C) To connect alternator  
D) To connect water pump pulley
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- 35.** Which is the most preferred use of roller bearings?
- A) Connecting rods  
B) Fly wheel  
C) Gear boxes  
D) Differential
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- 36.** Which instrument is used to check the vacuum of the cylinder?
- A) Wire gauge  
B) Compression gauge  
C) Vacuum gauge  
D) Dial gauge
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- 37.** What is the cause of excessive loading?
- A) Bearing struck  
B) Bearing spread  
C) Fatigue failure  
D) Bearing crush
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- 38.** Which is transferring energy for the piston to crankshaft?
- A) Connecting rod  
B) Cam shaft  
C) Gudgeon pin  
D) King pin
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- 39.** What is the property allows a bearing to with stand impact load for a reasonable time?
- A) Toughness  
B) Fatigue strength

C) Hardness

D) Tensile strength

**40.** Which is connected with piston through piston pin?

A) Connecting rod

B) Cam shaft

C) Rocker arm

D) Gudgeon pin

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

A) Ball bearing

B) Shell bearing

C) Taper roller bearing

D) Needle bearing

**42.** Which tool is required to remove the valves?

A) Torque wrench

B) Valve spring lifter

C) Box spanner

D) Scraper

**43.** What is the property of a bearing helps to withstand metal to metal contact?

A) Surface action

B) Embeddability

C) Fatigue strength

D) Thermal conductivity