ITI Quiz - 30-Mar-2026 06:29 PM

Q. ID: ITISKILL0839X6

March 2026

Answer Key

Duration: 50 Mins **Total Marks: 43** **Q.ID: ITISKILL0839X6**

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

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

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

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

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

Answer: A) Skirt of the piston

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

Answer: B) To set the engine timing

4. What is the cause of excessive loading?

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

Answer: D) Fatigue failure

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

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

Answer: B) Puller

6. Which is the bearing used in gear boxes?

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

Answer: B) Ball bearing

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

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

Answer: D) Connecting rod

8. What is the reason for corrosion of bearing?

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

Answer: B) Water mixed with lubricant

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

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

Answer: D) Radial load

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

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

Answer: D) Differential and wheel hub

11. What is the material of piston pins?

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

Answer: B) Nickel chromium steel

12. What is the purpose of the timing chain?

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

Answer: B) To connect crank or cam shaft gear

13. 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

Answer: A) Connecting rod

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

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

Answer: B) Taper roller bearing

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

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

Answer: B) Chromium vanadium nickel steel

16. What is the material for cam shaft?

A) Copper alloy
B) Aluminium alloy

C) Forged alloy steel D) Zinc alloy

Answer: C) Forged alloy steel

17. 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 only at top
C) Difference in dia measured thrust to non thrust across dia
D) Difference in dia measured only at bottom

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

18. What is ovality of a bore?

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

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

19. 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

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

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

Answer: B) During assembling cam shaft

21. Which is the bearing used in water pump?

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

Answer: A) Ball bearing

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

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

Answer: B) Embedability

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

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

Answer: B) Shell bearing

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

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

Answer: A) Axial and radial load

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

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

Answer: A) Outside micrometer

26. Which is connected with pison through piston pin?

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

Answer: A) Connecting rod

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

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

Answer: A) Connecting rod

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

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

Answer: D) Feeler gauge

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

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

Answer: A) Fly wheel

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

A) Fatique strength B) Thermal conductivity
C) Embeddability D) Surface action

Answer: D) Surface action

31. Which tool is required to remove the valves?

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

Answer: D) Valve spring lifter

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

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

Answer: D) Induction hardening

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

A) Vacuum gauge B) Compression gauge

C) Dial gauge D) Depth gauge

Answer: C) Dial gauge

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

A) False valve timing B) Compression loss

C) Difficult starting D) Miss firing

Answer: B) Compression loss

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

A) Dial indicator B) Outside micrometer

C) Compression gauge D) Feeler gauge

Answer: A) Dial indicator

36. What is the material of cylinder block?

A) Zinc alloy B) Bronze

C) Brass D) Cast iron

Answer: D) Cast iron

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

A) Compression gauge B) Wire gauge

C) Vacuum gauge D) Dial gauge

Answer: C) Vacuum gauge

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

A) Rocker arm shaft B) Crank shaft

C) Cam shaft D) Primary shaft

Answer: B) Crank shaft

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

A) Circlip plier B) Drift punch

C) 'C' clamp D) Ring expander

Answer: D) Ring expander

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

A) Differential B) Gear boxes

C) Fly wheel D) Connecting rods

Answer: B) Gear boxes

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

A) Triple B) Equal

C) Half D) Double

Answer: C) Half

42. Which part connect the piston with connecting rod?

A) Spilt pin B) Piston pin

C) Cotter pin D) Crank pin

Answer: B) Piston pin

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

A) Toughness B) Hardness

C) Tensile strength D) Fatigue strength

Answer: D) Fatigue strength