

Duration: 30 Mins**Total Marks: 43****Q.ID: ITISKILL7620LE**

1. What is the cause of excessive loading?

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

Answer: C) Fatigue failure

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

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

Answer: B) Taper roller bearing

3. What is the material of piston pins?

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

Answer: C) Nickel chromium steel

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

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

Answer: A) Bend twist

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

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

Answer: A) Puller

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

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

Answer: A) Connecting rod

7. 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

Answer: C) Skirt of the piston

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

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

Answer: B) Vacuum gauge

9. Which is the bearing used in water pump?

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

Answer: C) Ball bearing

10. What is the purpose of the timing chain?

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

Answer: C) To connect crank or cam shaft gear

11. What is the reason for corrosion of bearing?

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

Answer: D) Water mixed with lubricant

12. Which tool is required to remove the valves?

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

Answer: B) Valve spring lifter

13. 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

14. 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 from top to bottom of a crank shaft outer dia D) Difference in dia measured only at bottom

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

15. Which part connect the piston with connecting rod?

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

Answer: C) Piston pin

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

- A) Surface hardening B) Curve hardening

- C) Induction hardening D) Case hardening

Answer: C) Induction hardening

17. 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

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

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

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

Answer: D) Feeler gauge

19. 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

Answer: A) Fatigue strength

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

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

Answer: C) Radial load

21. Which is connected with pison through piston pin?

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

Answer: A) Connecting rod

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

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

Answer: A) Differential and wheel hub

23. What is the material of cylinder block?

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

Answer: D) Cast iron

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

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

Answer: D) Connecting rod

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

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

Answer: D) Connecting rod

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

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

Answer: C) Axial and radial load

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

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

Answer: B) Ring expander

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

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

Answer: C) Chromium vanadium nickel steel

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

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

Answer: B) Fly wheel

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

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

Answer: C) Embedability

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

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

Answer: A) Dial gauge

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

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

Answer: D) Half

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

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

Answer: D) During assembling cam shaft

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

- A) Ball bearing B) Shell bearing

C) Needle bearing D) Taper roller bearing

Answer: B) Shell bearing

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

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

Answer: A) Gear boxes

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

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

Answer: D) Compression loss

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

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

Answer: D) Crank shaft

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

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

Answer: D) Surface action

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

- A) Master ring gauge B) Inside micrometer

C) Three point internal micrometer

D) Outside micrometer

Answer: D) Outside micrometer

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

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

Answer: B) Dial indicator

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

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

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

42. What is the material for cam shaft?

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

Answer: B) Forged alloy steel

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

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

Answer: C) To set the engine timing
