

C) Toughness

D) Tensile strength

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

A) Ring section of the piston B) Skirt of the piston

C) Land of the piston D) Crown of the piston

20. Which is the bearing used in gear boxes?

A) Needle bearing B) Roller bearing

C) Taper roller bearing D) Ball bearing

21. 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

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

A) Gudgeon pin B) Cam shaft

C) King pin D) Connecting rod

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

A) Feeler gauge B) Outside micrometer

C) Dial indicator D) Compression gauge

24. What is ovality of a crank shaft?

A) Difference in dia measured only at bottom B) Difference in dia measured only at top

C) Difference in dia measured thrust to non thrust across dia D) Difference in dia measured from top to bottom of a crank shaft outer dia

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

A) Connecting rods B) Gear boxes

C) Differential D) Fly wheel

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

A) Double end spanner B) Pipe wrench

C) Ring spanner D) Puller

27. Which tool is required to remove the valves?

A) Valve spring lifter B) Box spanner

C) Torque wrench D) Scraper

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

A) Thermal conductivity B) Embedability

C) Surface action D) Conformability

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

A) Over heat

B) No lubrication

C) Excessive lubrication

D) Bend twist

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

A) Radial load

B) Radial and axial load

C) Thrust load

D) Axial load

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

A) Rocker arm shaft

B) Cam shaft

C) Primary shaft

D) Crank shaft

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

A) Ball bearing

B) Taper roller bearing

C) Shell bearing

D) Needle bearing

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

A) Gear boxes

B) Differential and wheel hub

C) Fly wheel and water pump D) Connecting rods

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

A) During assembling radiator

B) During assembling water pump

C) During assembling oil pump

D) During assembling cam shaft

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

A) Induction hardening

B) Curve hardening

C) Surface hardening

D) Case hardening

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

A) Telescopic gauge

B) Screw pitch gauge

C) Wire gauge

D) Feeler gauge

37. What is the reason for corrosion of bearing?

A) Water mixed with lubricant

B) Over heated

C) Less clearance

D) Over loaded

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

A) High speed steel

B) Wrought iron

C) Chromium vanadium nickel steel

D) Cast iron

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

A) Gudgeon pin

B) King pin

C) Cam shaft

D) Connecting rod

40. Which is the bearing used in water pump?

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

42. What is the material of cylinder block?

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

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

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

43. What is the material for cam shaft?

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