

Duration: 60 Mins

Total Marks: 43

Q.ID: ITISKILL4178WK

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

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

Answer: C) Dial gauge

2. 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

3. What is ovality of a bore?

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

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

4. Which is the bearing used in water pump?

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

Answer: B) Ball bearing

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

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

Answer: B) During assembling cam shaft

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

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

Answer: B) Crank shaft

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

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

Answer: B) Feeler gauge

8. What is the reason for corrosion of bearing?

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

Answer: C) Water mixed with lubricant

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

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

Answer: D) Skirt of the piston

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

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

Answer: D) Connecting rod

11. Where is the compression ring is 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

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

12. 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

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

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

Answer: D) Induction hardening

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

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

Answer: D) Shell bearing

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

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

Answer: D) Connecting rod

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

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

Answer: B) Bend twist

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

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

Answer: B) To set the engine timing

18. What is the purpose of the timing chain?

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

Answer: C) To connect crank or cam shaft gear

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

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

Answer: D) Compression loss

20. Which is the bearing used in gear boxes?

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

Answer: C) Ball bearing

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

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

Answer: D) Embedability

22. What is the material for cam shaft?

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

Answer: C) Forged alloy steel

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

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

Answer: C) Differential and wheel hub

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

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

Answer: C) Dial indicator

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

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

Answer: C) Gear boxes

26. What is the cause of excessive loading?

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

Answer: C) Fatigue failure

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

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

Answer: B) Vacuum gauge

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

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

Answer: C) Connecting rod

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

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

Answer: D) Puller

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

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

Answer: A) Axial and radial load

31. What is the material of piston pins?

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

Answer: A) Nickel chromium steel

32. What is the material of cylinder block?

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

Answer: A) Cast iron

33. 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

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

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

Answer: C) Outside micrometer

35. What is ovality of a crank shaft?

- A) Difference in dia measured only at bottom
B) Difference in dia measured from top to bottom of a crank shaft outer dia
C) Difference in dia measured only at top
D) Difference in dia measured thrust to non thrust across dia

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

36. Which is connected with piston through piston pin?

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

Answer: B) Connecting rod

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

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

Answer: A) Fly wheel

38. Which tool is required to remove the valves?

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

Answer: D) Valve spring lifter

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

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

Answer: B) Ring expander

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

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

Answer: A) Taper roller bearing

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

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

Answer: D) 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 material used to produce crank shaft?

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

Answer: D) Chromium vanadium nickel steel