

Duration: 30 Mins

Total Marks: 38

ID: ITISKILL6874NZ

Student Name: _____	Roll No: _____
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1. Where the fly wheel is fitted in the engine?

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

- A) Tensile strength B) Toughness
C) Hardness D) Fatigue strength

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

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

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

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

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

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

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

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

4. Which is the bearing used in water pump?

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

12. What is the material for cam shaft?

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

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

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

13. What is the cause of excessive loading?

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

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

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

14. Which is connected with piston through piston pin?

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

7. What is ovality of a crank shaft?

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

15. What is the material of piston pins?

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

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

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

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

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

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

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

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

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

- A) Equal B) Double

C) Triple

D) Half

19. 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

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

A) Wire gauge

B) Screw pitch gauge

C) Feeler gauge

D) Telescopic gauge

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

A) Push rod

B) Crank Shaft

C) Connecting rod

D) Cam Shaft

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

A) Dial gauge

B) Wire gauge

C) Vacuum gauge

D) Compression gauge

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

A) Compression ring between oil ring and piston pin

B) Compression ring bottom of the piston skirt

C) Compression ring above the oil ring in the piston

D) Compression ring between piston pin and bottom of skirt

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

A) To set the valve clearance

B) To coincide the gears

C) To set the engine timing

D) To set the F.I.P timing

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

A) Inside micrometer

B) Outside micrometer

C) Three point internal micrometer

D) Master ring gauge

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

A) Dial indicator

B) Feeler gauge

C) Outside micrometer

D) Compression gauge

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

A) During assembling radiator

B) During assembling water pump

C) During assembling cam shaft

D) During assembling oil pump

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

A) Connecting rod

B) Gudgeon pin

C) Cam shaft

D) King pin

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

A) Crown of the piston

B) Skirt of the piston

C) Land of the piston

D) Ring section of the piston

30. 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

31. Which tool is required to remove the valves?

A) Valve spring lifter

B) Torque wrench

C) Scraper

D) Box spanner

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

A) Thrust load

B) Radial load

C) Axial load

D) Radial and axial load

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

A) Connecting rods

B) Differential and wheel hub

C) Fly wheel and water pump

D) Gear boxes

34. What is the purpose of the timing chain?

A) To connect water pump pulley

B) To connect A/C compressor

C) To connect alternator

D) To connect crank or cam shaft gear

35. Which is the bearing used in gear boxes?

A) Roller bearing

B) Taper roller bearing

C) Needle bearing

D) Ball bearing

36. Which part connect the piston with connecting rod?

A) Spilt pin

B) Cotter pin

C) Crank pin

D) Piston pin

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

A) Excessive lubrication

B) No lubrication

C) Bend twist

D) Over heat

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

A) Vacuum gauge

B) Dial gauge

C) Depth gauge

D) Compression gauge