

Student Name: _____ Roll No: _____

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

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

2. What is the reason for corrosion of bearing?

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

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

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

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

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

5. What is the cause of excessive loading?

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

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

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

7. What is ovality of a crank shaft?

- A) Difference in dia measured thrust to non thrust across dia 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 only at bottom

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

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

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

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

10. Which is the bearing used in water pump?

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

11. What is the material of cylinder block?

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

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

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

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

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

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

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

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

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

16. Which tool is required to remove the valves?

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

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

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

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

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

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

- A) Ring section of the piston B) Land of the piston
C) Skirt of the piston D) Crown of the piston
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20. Which is the most preferred use of taper roller bearings?

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