

Student Name: _____ Roll No: _____

1. Which bearing used in gear boxes?

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

2. Which tool used to remove the crank shaft pully?

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

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

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

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

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

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

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

6. Which valve allows one direction flow only?

- A) Sleeve valve B) Rotary valve
C) Reed valve D) Poppet valve

7. What is ovality of a bore?

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

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

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

9. Which is the drive source of a cam shaft?

- A) Fly wheel B) Self motor
C) Crank Shaft D) Gear box

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

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

11. What is the term used to refer when a valve closes after BDC?

- A) Advance B) Over lap
C) Lag D) Lead

12. 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

13. What is the term used to refer when both valves open position?

- A) Lead B) Lang
C) Overlap D) Advance

14. What is the first step in removal method of fly wheel?

- A) Remove the fly wheel ring B) Unlock the lock plate/wire
C) Lock the fly wheel with wooden piece D) Unscrew the fastening bolts

15. Which load taken by the roller bearing?

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

16. Which is connected with piston through piston pin?

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

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

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

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

- A) Feeler gauge B) Outside micrometer
C) Compression gauge D) Dial indicator
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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
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20. What is the cause for double knock in the piston?

- A) Piston ring wormout B) Piston wormout
C) Piston pin and boss wormout D) Liner wormout
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21. What is the purpose of the timing chain?

- A) To connect A/C compressor B) To connect water pump pulley
C) To connect alternator D) To connect crank and cam shaft gear
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22. What is the material of cylinder block?

- A) Brass B) Zinc alloy
C) Cast iron D) Bronze
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23. Which instrument is used to check the tappet clearance?

- A) Feeler gauge B) Depth gauge
C) Pitch gauge D) Wire gauge
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24. Which tool is required to remove the valves?

- A) Scraper B) Box spanner
C) Torque wrench D) Valve spring lifter
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25. Where the compression ring is fitted in the piston?

- A) Bottom of the piston skirt B) Piston between oil ring and piston pin
C) Above the oil ring in piston D) Connecting rod between piston pin and bottom of skirt
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