

Duration: 30 Mins

Total Marks: 25

ID: ITISKILL9559XY

Student Name: \_\_\_\_\_ Roll No: \_\_\_\_\_

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

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

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

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

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

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

4. What is the purpose of the timing chain?

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

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

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

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

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

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

- A) Wire gauge                          B) Pitch gauge  
C) Feeler gauge                        D) Depth gauge

8. What is the cause for double knock in the piston?

- A) Liner wormout                      B) Piston pin and boss wormout  
C) Piston ring wormout              D) Piston wormout

9. Which valve allows one direction flow only?

- A) Reed valve                          B) Poppet valve

C) Rotary valve

D) Sleeve valve

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

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

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

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

12. 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

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

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

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

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

15. Which load taken by the roller bearing?

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

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

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

17. What is ovality of a bore?

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

18. What is the material of cylinder block?

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

19. Which bearing used in gear boxes?

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

20. 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

21. Which is connected with piston through piston pin?

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

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

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

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

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

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

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

25. Which tool is required to remove the valves?

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