

Duration: 30 Mins

Total Marks: 25

ID: ITISKILL13708Q

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

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

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

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

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

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

10. 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

3. Which load taken by the roller bearing?

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

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

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

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

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

12. Which is connected with piston through piston pin?

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

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

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

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

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

6. Which valve allows one direction flow only?

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

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

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

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

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

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

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

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

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

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

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

9. Which bearing used in gear boxes?

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

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

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

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

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

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

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

19. What is ovality of a bore?

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

23. What is the material of cylinder block?

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

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

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

24. Which tool is required to remove the valves?

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

21. What is the purpose of the timing chain?

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

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