

Duration: 30 Mins

Total Marks: 25

Q.ID: ITISKILL9559XY

1. Which is connected with piston through piston pin?

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

**Answer: D) Connecting rod**

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

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

**Answer: B) Induction hardening**

3. Which tool is required to remove the valves?

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

**Answer: C) Valve spring lifter**

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

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

**Answer: A) Puller**

5. What is the purpose of the timing chain?

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

**Answer: A) To connect crank and cam shaft gear**

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

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

**Answer: C) Skirt of the piston**

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

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

**Answer: C) Unlock the lock plate/wire**

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

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

**Answer: A) Crank Shaft**

9. 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

**Answer: C) During assembling cam shaft**

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

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

**Answer: A) Lag**

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

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

**Answer: A) Connecting rod**

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

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

**Answer: D) Overlap**

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

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

**Answer: C) Feeler gauge**

14. Which load taken by the roller bearing?

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

**Answer: D) Radial and axial load**

15. Which bearing used in gear boxes?

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

**Answer: D) Ball bearing**

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

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

**Answer: B) Shell bearing**

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

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

**Answer: B) Above the oil ring in piston**

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

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

**Answer: A) Taper roller bearing**

19. What is ovality of a bore?

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

**Answer: A) Difference in dia thrust to non thrust side of cylinder**

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

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

**Answer: B) Piston pin and boss wormout**

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

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

**Answer: B) Dial indicator**

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

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

**Answer: B) Outside micrometer**

23. Which valve allows one direction flow only?

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

**Answer: D) Reed valve**

24. What is the material of cylinder block?

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

**Answer: A) Cast iron**

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

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

**Answer: A) Chromium vanadium nickel steel**