

Duration: 30 Mins

Total Marks: 25

Q.ID: ITISKILL13708Q

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

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

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

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

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

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

3. Which is connected with piston through piston pin?

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

**Answer: C) Connecting rod**

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

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

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

5. 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

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

6. What is the material of cylinder block?

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

**Answer: C) Cast iron**

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

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

**Answer: A) Dial indicator**

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

- A) Shell bearing  
 B) Taper roller bearing

C) Needle bearing

D) Ball bearing

**Answer: A) Shell bearing**

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

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

**Answer: B) Taper roller bearing**

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

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

**Answer: B) Feeler gauge**

11. What is ovality of a bore?

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

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

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

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

**Answer: C) Outside micrometer**

13. Which load taken by the roller bearing?

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

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

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

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

**Answer: A) Puller**

15. Which bearing used in gear boxes?

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

**Answer: A) Ball bearing**

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

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

**Answer: D) Induction hardening**

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

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

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

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18. Which valve allows one direction flow only?

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

**Answer: C) Reed valve**

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

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

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

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20. Which tool is required to remove the valves?

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

**Answer: B) Valve spring lifter**

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

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

**Answer: B) Connecting rod**

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

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

**Answer: A) Overlap**

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23. What is the purpose of the timing chain?

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

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

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

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

**Answer: A) Crank Shaft**

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

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

**Answer: A) Lag**

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