

Duration: 30 Mins

Total Marks: 25

Q.ID: ITISKILL4527QX

1. What is ovality of a crank shaft?

- A) Difference in dia measured only at top
- B) Difference in dia measured thrust to non thrust across dia
- C) Difference in dia measured from top to bottom of a crank shaft outer dia
- D) Difference in dia measured only at bottom

Answer: B) Difference in dia measured thrust to non thrust across dia

2. What is the property of a bearing helps to with stand metal to metal contact?

- A) Fatigue strength
- B) Embeddability
- C) Surface action
- D) Thermal conductivity

Answer: C) Surface action

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

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

Answer: C) Connecting rod

4. Which tool is required to remove the valves?

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

Answer: A) Valve spring lifter

5. Which gauge used to measure the cylinder bore weariness?

- A) Vacuum gauge
- B) Dial gauge
- C) Compression gauge
- D) Depth gauge

Answer: B) Dial gauge

6. What is ovality of a bore?

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

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

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

- A) Screw pitch gauge
- B) Feeler gauge
- C) Telescopic gauge
- D) Wire gauge

Answer: B) Feeler gauge

8. Which is the load taken by the roller bearing?

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

Answer: C) Radial load

9. Which is connected with pison through piston pin?

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

Answer: B) Connecting rod

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

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

Answer: B) Shell bearing

11. Which is the bearing used in gear boxes?

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

Answer: C) Ball bearing

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

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

Answer: A) During assembling cam shaft

13. What is the reason for corrosion of bearing?

- A) Over loaded
- B) Water mixed with lubricant
- C) Less clearance
- D) Over heated

Answer: B) Water mixed with lubricant

14. What is the speed ratio cam shaft to crank shaft?

- A) Double
- B) Half
- C) Triple
- D) Equal

Answer: B) Half

15. Which is the most preferred use of taper roller bearings?

- A) Fly wheel and water pump
- B) Gear boxes
- C) Differential and wheel hub
- D) Connecting rods

Answer: C) Differential and wheel hub

16. What is the cause of excessive loading?

- A) Bearing crush B) Bearing struck
C) Fatigue failure D) Bearing spread

Answer: C) Fatigue failure

17. Which is the bearing used in water pump?

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

Answer: C) Ball bearing

18. Which instrument is used to check the vacuum of the cylinder?

- A) Compression gauge B) Dial gauge
C) Vacuum gauge D) Wire gauge

Answer: C) Vacuum gauge

19. What is the purpose of the fly wheel timing mark?

- A) To set the F.I.P timing B) To coincide the gears
C) To set the valve clearance D) To set the engine timing

Answer: D) To set the engine timing

20. Which tool is used to remove the piston ring?

- A) Circlip plier B) 'C' clamp
C) Drift punch D) Ring expander

Answer: D) Ring expander

21. Where the fly wheel is fitted in the engine?

- A) Primary shaft B) Crank shaft
C) Cam shaft D) Rocker arm shaft

Answer: B) Crank shaft

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

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

Answer: C) Induction hardening

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

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

Answer: A) Skirt of the piston

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

- A) Compression ring between oil ring and piston pin
B) Compression ring above the oil ring in the piston
C) Compression ring bottom of the piston skirt
D) Compression ring between piston pin and bottom of skirt

Answer: B) Compression ring above the oil ring in the piston

25. What is the material of piston pins?

- A) HSS B) Nickel chromium steel
C) Bronze D) Cast iron

Answer: B) Nickel chromium steel