

Student: o m p  
Score: 23/43 (53.49%)

Code: 2876

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

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

2. What is the material of piston pins?

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

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

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

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

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

5. Which part connect the piston with connecting rod?

- A) **Piston pin (Correct)**  
B) Spilt pin  
C) Crank pin  
D) Cotter pin

6. Which part is connect the piston with crank pin?

- A) Push rod  
B) **Connecting rod (Correct)**  
C) Cam Shaft  
D) Crank Shaft

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

- A) Double and spanner  
B) Ring spanner  
C) Pipe wrench  
D) **Puller (Correct)**

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

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

9. What is the material for cam shaft?

- A) **Forged alloy steel (Correct)**  
B) Copper alloy  
C) Aluminium alloy  
D) Zinc alloy

10. Which tool is required to remove the valves?

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

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

- A) Compression gauge  
B) Dial gauge (Incorrect)  
C) **Vacuum gauge**  
D) Wire gauge

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

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

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

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

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

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

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

- A) **Gear boxes**  
B) Fly wheel  
C) Differential  
D) Connecting rods (Incorrect)

16. Which is connected with pison through piston pin?

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

17. Which is the key element in converting reciprocating motion in to rotary motion?

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

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

- A) Gudgeon pin  
B) King pin

**C) Connecting rod (Correct)**

D) Cam shaft

C) To set the F.I.P timing

D) To set the valve clearance

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

**A) Radial load (Correct)**

B) Axial load

C) Thrust load

D) Radial and axial load

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

A) Cam shaft

**B) Crank shaft**

C) Rocker arm shaft (Incorrect)

D) Primary shaft

20. What is the load taken by taper roller bearing?

A) Radial load

**B) Axial and radial load (Correct)**

C) Thrust load

D) Radial and axial load

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

**A) Half (Correct)**

B) Equal

C) Double

D) Triple

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

A) Ball bearing (Incorrect)

B) Roller bearing

C) Needle bearing

**D) Taper roller bearing**

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

A) During assembling water pump (Incorrect)

B) During assembling oil pump

**C) During assembling cam shaft**

D) During assembling radiator

22. Which is the bearing used in water pump?

**A) Ball bearing (Correct)**

B) Roller bearing

C) Needle bearing

D) Taper roller bearing

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

A) Telescopic gauge

B) Screw pitch gauge

**C) Feeler gauge (Correct)**

D) Wire gauge

23. Which is the bearing used in gear boxes?

**A) Ball bearing (Correct)**

B) Roller bearing

C) Needle bearing

D) Taper roller bearing

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

A) Compression gauge

B) Vacuum gauge

**C) Dial gauge (Correct)**

D) Depth gauge

24. Which is the most preferred use of bush bearings?

A) Connecting rods (Incorrect)

**B) Fly wheel**

C) Crank shaft

D) Oil pumps

34. What is the property allows a bearing to with stand impact load for a reasonable time?

**A) Fatigue strength (Correct)**

B) Tensile strength

C) Toughness

D) Hardness

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

**A) Compression ring above the oil ring in the piston**

B) Compression ring bottom of the piston skirt

C) Compression ring between oil ring and piston pin

D) Compression ring between piston pin and bottom of skirt (Incorrect)

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35. What is the property of bearing helps to absorb dirt and metal particles?

A) Conformability

**B) Embedability (Correct)**

C) Surface action

D) Thermal conductivity

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

A) Drift punch

**B) Ring expander (Correct)**

C) Circlip plier

D) 'C' clamp

36. What is the cause of excessive loading?

**A) Fatigue failure (Correct)**

B) Bearing spread

C) Bearing crush

D) Bearing struck

27. What is the purpose of the timing chain?

A) To connect water pump pulley (Incorrect)

B) To connect alternator

**C) To connect crank or cam shaft gear**

D) To connect A/C compressor

37. What is the cause for uneven wear of bearings?

**A) Bend twist (Correct)**

B) Excessive lubrication

C) No lubrication

D) Over heat

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

A) To coincide the gears

**B) To set the engine timing (Correct)**

38. What is ovality of a crank shaft?

A) Difference in dia measured from top to bottom of a crank shaft outer dia (Incorrect)

C) Difference in dia measured only at top

**B) Difference in dia measured thrust to non thrust across dia**

D) Difference in dia measured only at bottom

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

**A) Induction hardening**

C) Surface hardening (Incorrect)

B) Case hardening

D) Curve hardening

40. 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 (Correct)**

C) Difference in dia measured only at top

D) Difference in dia measured only at bottom

41. What is the effect of taper and ovality of a bore?

**A) Compression loss**

C) Difficult starting (Incorrect)

B) Miss firing

D) False valve timing

42. What is the material of cylinder block?

**A) Cast iron**

C) Brass

B) Bronze (Incorrect)

D) Zinc alloy

43. What is the reason for corrosion of bearing?

A) Less clearance

C) Over loaded (Incorrect)

**B) Water mixed with lubricant**

D) Over heated