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Score: 10/43 (23.26%)

Code: 7731

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

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

2. What is the material of piston pins?

- A) Nickel chromium steel** B) Cast iron (Incorrect)  
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** B) Spilt pin (Incorrect)  
C) Crank pin D) Cotter pin

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

- A) Push rod (Incorrect) **B) Connecting rod**  
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** B) Copper alloy  
C) Aluminium alloy (Incorrect) D) Zinc alloy

10. Which tool is required to remove the valves?

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

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

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

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

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

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** B) Thermal conductivity  
C) Fatigue strength (Incorrect) D) Embeddability

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

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

16. Which is connected with pison through piston pin?

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

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

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

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

- A) Radial load  
C) Thrust load
- B) Axial and radial load (Correct)**  
D) Radial and axial load

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

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

22. Which is the bearing used in water pump?

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

23. Which is the bearing used in gear boxes?

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

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

- A) Connecting rods  
C) Crank shaft
- B) Fly wheel**  
D) Oil pumps (Incorrect)

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

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

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

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

27. What is the purpose of the timing chain?

- A) To connect water pump pulley  
**C) To connect crank or cam shaft gear**
- B) To connect alternator  
D) To connect A/C compressor (Incorrect)

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

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

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

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

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

- A) Half**  
C) Double
- B) Equal  
D) Triple (Incorrect)

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

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

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

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

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

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

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

- A) Fatigue strength (Correct)**  
C) Toughness
- B) Tensile strength  
D) Hardness

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

- A) Conformability (Incorrect)  
C) Surface action
- B) Embedability**  
D) Thermal conductivity

36. What is the cause of excessive loading?

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

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

- A) Bend twist**  
C) No lubrication (Incorrect)
- B) Excessive lubrication  
D) Over heat

38. What is ovality of a crank shaft?

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

C) Difference in dia measured only at top

D) Difference in dia measured only at bottom (Incorrect)

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

**A) Induction hardening (Correct)**

B) Case hardening

C) Surface 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**

C) Difference in dia measured only at top

D) Difference in dia measured only at bottom (Incorrect)

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

**A) Compression loss (Correct)**

B) Miss firing

C) Difficult starting

D) False valve timing

42. What is the material of cylinder block?

**A) Cast iron**

B) Bronze

C) Brass

D) Zinc alloy (Incorrect)

43. What is the reason for corrosion of bearing?

A) Less clearance

**B) Water mixed with lubricant**

C) Over loaded

D) Over heated (Incorrect)