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Score: 25/38 (65.79%)

Code: 7387

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

- A) **Chromium vanadium nickel steel (Correct)**      B) High speed steel  
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      D) **Skirt of the piston (Correct)**

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

- A) Needle bearing      B) Ball bearing (Incorrect)  
C) Taper roller bearing      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      B) **Outside micrometer (Correct)**  
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      D) Zinc alloy (Incorrect)

10. Which tool is required to remove the valves?

A) Torque wrench

C) Box spanner

B) **Valve spring lifter (Correct)**

D) Scraper

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

A) Compression gauge

C) **Vacuum gauge**

B) Dial gauge (Incorrect)

D) Wire gauge

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

A) **Dial indicator**

C) Outside micrometer

B) Compression gauge

D) Feeler gauge (Incorrect)

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

A) Gear boxes (Incorrect)

C) **Differential and wheel hub**

B) Fly wheel and water pump

D) Connecting rods

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

A) **Surface action**

C) Fatigue strength

B) Thermal conductivity

D) Embeddability (Incorrect)

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

A) **Gear boxes (Correct)**

C) Differential

B) Fly wheel

D) Connecting rods

16. Which is connected with pison through piston pin?

A) Gudgeon pin

C) Cam shaft

B) **Connecting rod (Correct)**

D) Rocker arm

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

A) **Connecting rod (Correct)**

C) King pin

B) Gudgeon pin

D) Cam shaft

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

A) Gudgeon pin

C) **Connecting rod (Correct)**

B) King pin

D) Cam shaft

19. Which is the load taken by the roller bearing?  
**A) Radial load** B) Axial load (Incorrect)  
 C) Thrust load D) Radial and axial load
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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
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21. Which is the bearing used in differential and wheel of a heavy vehicles?  
 A) Ball bearing B) Roller bearing  
 C) Needle bearing **D) Taper roller bearing (Correct)**
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22. Which is the bearing used in water pump?  
**A) Ball bearing** B) Roller bearing  
 C) Needle bearing (Incorrect) D) Taper roller bearing
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23. Which is the bearing used in gear boxes?  
**A) Ball bearing (Correct)** B) Roller bearing  
 C) Needle bearing D) Taper roller bearing
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24. Which is the most preferred use of bush bearings?  
 A) Connecting rods **B) Fly wheel**  
 C) Crank shaft (Incorrect) D) Oil pumps
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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 (Incorrect)  
 C) Compression ring between oil ring and piston pin D) Compression ring between piston pin and bottom of skirt
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26. Which tool is used to remove the piston ring?  
 A) Drift punch **B) Ring expander (Correct)**  
 C) Circlip plier D) 'C' clamp
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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
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28. What is the purpose of the fly wheel timing mark?  
 A) To coincide the gears **B) To set the engine timing (Correct)**  
 C) To set the F.I.P timing D) To set the valve clearance
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29. Where the fly wheel is fitted in the engine?  
 A) Cam shaft **B) Crank shaft (Correct)**  
 C) Rocker arm shaft D) Primary shaft
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30. What is the speed ratio cam shaft to crank shaft?  
**A) Half (Correct)** B) Equal  
 C) Double D) Triple
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31. When it is required to coincide the mark with timing gears?  
 A) During assembling water pump B) During assembling oil pump (Incorrect)  
**C) During assembling cam shaft** D) During assembling radiator
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32. Which instrument is used to check the tappet clearance?  
 A) Telescopic gauge B) Screw pitch gauge  
**C) Feeler gauge (Correct)** D) Wire gauge
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33. Which gauge used to measure the cylinder bore weariness?  
 A) Compression gauge B) Vacuum gauge  
**C) Dial gauge (Correct)** D) Depth gauge
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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
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35. What is the property of bearing helps to absorb dirt and metal particles?  
 A) Conformability **B) Embedability**  
 C) Surface action (Incorrect) D) Thermal conductivity
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36. What is the cause of excessive loading?  
**A) Fatigue failure (Correct)** B) Bearing spread  
 C) Bearing crush D) Bearing struck
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37. What is the cause for uneven wear of bearings?  
**A) Bend twist (Correct)** B) Excessive lubrication  
 C) No lubrication D) Over heat
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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 (Correct)**  
 C) Difference in dia measured only at top D) Difference in dia measured only at bottom