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Score: 15/38 (39.47%)

Code: 5782

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 (Incorrect) B) Ring section of the piston
 C) Crown of the piston 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**
 C) Cam Shaft (Incorrect) D) Crank Shaft

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

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

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 (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**
 C) Box spanner (Incorrect) 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 (Incorrect) D) Feeler gauge

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

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

16. Which is connected with pison through piston pin?

- A) Gudgeon pin B) **Connecting rod**
 C) Cam shaft (Incorrect) 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
- B) Axial load (Incorrect)
D) Radial and axial load
- C) Rocker arm shaft (Incorrect)
- D) Primary shaft
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20. What is the load taken by taper roller bearing?
- A) Radial load
C) Thrust load (Incorrect)
- B) Axial and radial 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
C) Needle bearing
- B) Roller bearing
D) Taper roller bearing (Correct)
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22. Which is the bearing used in water pump?
- A) Ball bearing**
C) Needle bearing (Incorrect)
- B) Roller bearing
D) Taper roller bearing
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23. Which is the bearing used in gear boxes?
- A) Ball bearing**
C) Needle bearing (Incorrect)
- B) Roller bearing
D) Taper roller bearing
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24. Which is the most preferred use of bush bearings?
- A) Connecting rods
C) Crank shaft
- B) Fly wheel (Correct)**
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**
C) Compression ring between oil ring and piston pin (Incorrect)
- B) Compression ring bottom of the piston skirt
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
C) Circlip plier
- B) Ring expander**
D) 'C' clamp (Incorrect)
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27. What is the purpose of the timing chain?
- A) To connect water pump pulley
C) **To connect crank or cam shaft gear (Correct)**
- B) To connect alternator
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
C) To set the F.I.P timing
- B) To set the engine timing (Correct)**
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**
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30. What is the speed ratio cam shaft to crank shaft?
- A) Half (Correct)**
C) Double
- B) Equal
D) Triple
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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
D) During assembling radiator (Incorrect)
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32. Which instrument is used to check the tappet clearance?
- A) Telescopic gauge
C) **Feeler gauge (Correct)**
- B) Screw pitch gauge
D) Wire gauge
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33. Which gauge used to measure the cylinder bore weariness?
- A) Compression gauge
C) **Dial gauge (Correct)**
- B) Vacuum gauge
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)**
C) Toughness
- B) Tensile strength
D) Hardness
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35. What is the property of bearing helps to absorb dirt and metal particles?
- A) Conformability
C) Surface action
- B) Embedability**
D) Thermal conductivity (Incorrect)
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36. What is the cause of excessive loading?
- A) Fatigue failure**
C) Bearing crush (Incorrect)
- B) Bearing spread
D) Bearing struck
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37. What is the cause for uneven wear of bearings?
- A) Bend twist**
C) No lubrication
- B) Excessive lubrication (Incorrect)
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
C) Difference in dia measured only at top
- B) Difference in dia measured thrust to non thrust across dia (Correct)**
D) Difference in dia measured only at bottom