

Duration: 60 Mins

Total Marks: 20

Q.ID: ITISKILL39604G

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

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

**Answer: A) Induction hardening**

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

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

**Answer: C) Dial indicator**

3. What is the reason for corrosion of bearing?

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

**Answer: A) Water mixed with lubricant**

4. 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**

5. 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**

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

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

**Answer: C) Skirt of the piston**

7. What is the cause of excessive loading?

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

**Answer: B) Fatigue failure**

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

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

**Answer: A) Gear boxes**

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

- A) Triple                                  B) Double

- C) Equal                                  D) Half

**Answer: D) Half**

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

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

**Answer: C) Ring expander**

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

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

**Answer: D) Chromium vanadium nickel steel**

12. 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**

13. What is the material of cylinder block?

- A) Cast iron                              B) Zinc alloy  
C) Bronze                                D) Brass

**Answer: A) Cast iron**

14. Which tool is required to remove the valves?

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

**Answer: A) Valve spring lifter**

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

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

**Answer: A) Axial and radial load**

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

- A) Tensile strength                      B) Fatigue strength  
C) Hardness                              D) Toughness

**Answer: B) Fatigue strength**

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

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

**Answer: D) Shell bearing**

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18. What is ovality of a crank shaft?

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

**Answer: D) Difference in dia measured thrust to non thrust across dia**

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

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

**Answer: C) Dial gauge**

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

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

**Answer: B) Crank shaft**

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