

Duration: 20 Mins

Total Marks: 61

Q.ID: ITISKILL1490UN

1. Which tool is required to remove the valves?

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

Answer: D) Valve spring lifter

2. Which is connected with piston through piston pin?

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

Answer: D) Connecting rod

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

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

Answer: A) Crank shaft

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

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

Answer: C) Gear boxes

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

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

Answer: D) Induction hardening

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

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

Answer: A) Compression ring above the oil ring in the piston

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

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

Answer: D) Vacuum gauge

8. What is the use of cornering light in a vehicle?

- A) Highlight the blind spot during bend
- B) Provide interior illumination

C) Indicate traffic behind vehicle

D) Provide enough visibility to driver

Answer: A) Highlight the blind spot during bend

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

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

Answer: C) Axial and radial load

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

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

Answer: A) Connecting rod

11. What is the use of two small lamps fitted front and rear of vehicle?

- A) Provide illumination
- B) Provide illumination
- C) Used for parking on the road
- D) Used for visibility

Answer: C) Used for parking on the road

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

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

Answer: A) Skirt of the piston

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

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

Answer: B) Feeler gauge

14. What is the use of tail light?

- A) Provide interior illumination
- B) Provide enough visibility
- C) Indication to vehicle behind
- D) Indication to slowing down

Answer: C) Indication to vehicle behind

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

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

Answer: A) Fly wheel

16. Which light provide effective illumination during

snowfall?

- A) Fog light
- B) Head light
- C) Parking light
- D) Stop light

Answer: A) Fog light

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

- A) False valve timing
- B) Miss firing
- C) Compression loss
- D) Difficult starting

Answer: C) Compression loss

18. What is the advantage of using side indicator in a vehicle?

- A) Provide effective illumination
- B) Indicate the vehicle behind
- C) Provide enough visibility
- D) Prevent accident while turning left and right

Answer: D) Prevent accident while turning left and right

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

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

Answer: A) Shell bearing

20. Which is the bearing used in water pump?

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

Answer: A) Ball bearing

21. Which circuit provide miniature bulbs to know the working gauges?

- A) Panel light circuit
- B) Head light circuit
- C) Parking light circuit
- D) Stop light circuit

Answer: A) Panel light circuit

22. 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 only at bottom
- C) Difference in dia measured only at top
- D) Difference in dia measured thrust to non thrust across dia

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

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

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

Answer: A) Chromium vanadium nickel steel

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

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

Answer: B) Bend twist

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

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

Answer: D) Connecting rod

26. Which tool used to remove the crank shaft pulley?

- A) Pipe wrench
- B) Ring spanner
- C) Double end spanner
- D) Puller

Answer: D) Puller

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

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

Answer: A) Surface action

28. What is the gas filled in the sealed beam head lights?

- A) Nitrogen gas
- B) Hydrogen gas
- C) Oxygen gas
- D) Argon gas

Answer: D) Argon gas

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

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

Answer: D) Differential and wheel hub

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

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

Answer: A) Fatigue strength

31. What is the purpose of the timing chain?

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

Answer: C) To connect crank or cam shaft gear

32. Which part connect the piston with connecting rod?

- A) Spilt pin
- B) Piston pin
- C) Crank pin
- D) Cotter pin

Answer: B) Piston pin

33. What is the use of single red lamp of 24 watts fitted at

the rear?

- A) Provide enough visibility
B) Help driver to see full width of road
C) Provide interior illumination
D) Give indication the traffic behind

Answer: B) Help driver to see full width of road

34. What is the material of piston pins?

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

Answer: C) Nickel chromium steel

35. Which lighting circuit provided with dip and dim switch?

- A) Head light circuit
B) Fog light circuit
C) Parking light circuit
D) Panel light circuit

Answer: A) Head light circuit

36. Which type of head light provide 25% more light than sealed beam head lights?

- A) Halogon head light
B) Neon type head light
C) LCD type head light
D) LED type head light

Answer: A) Halogon head light

37. What is ovality of a bore?

- A) Difference in dia thrust to non thrust side of cylinder
B) Difference in dia measured only at top
C) Difference in dia measured only at bottom
D) Difference in dia measured top to bottom

Answer: A) Difference in dia thrust to non thrust side of cylinder

38. What is the colour of front indicator lamps?

- A) Orange
B) Green
C) Red
D) White

Answer: A) Orange

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

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

Answer: C) During assembling cam shaft

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

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

Answer: B) Ring expander

41. Which type of lights provide maximum brightness in a shorter time?

- A) LCD light
B) LED light

- C) Neon light
D) Halogon light

Answer: B) LED light

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

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

Answer: D) Radial load

43. What is the expansion of LED?

- A) Light electronic diodes
B) Light emitting diodes
C) Long electrical diodes
D) Limited electrical data

Answer: B) Light emitting diodes

44. What is the material of cylinder block?

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

Answer: C) Cast iron

45. What is the reason for corrosion of bearing?

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

Answer: D) Water mixed with lubricant

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

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

Answer: A) Dial indicator

47. What is the material for cam shaft?

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

Answer: D) Forged alloy steel

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

- A) Equal
B) Triple
C) Half
D) Double

Answer: C) Half

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

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

Answer: C) Connecting rod

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

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

Answer: B) To set the engine timing

51. Which is the bearing used in gear boxes?

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

Answer: D) Ball bearing

52. What is the cause of excessive loading?

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

Answer: A) Fatigue failure

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

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

Answer: D) Taper roller bearing

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

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

Answer: D) Embedability

55. What is the purpose of indexing pin provided in the bulb case?

- A) Retain the bulb in the socket
- B) Complete the circuit
- C) Prevent damage to light
- D) For easy identification

Answer: A) Retain the bulb in the socket

56. Which light give indication to the traffic behind the vehicle for slowing down?

- A) Head light
- B) Stop light

C) Dome light

D) Fog light

Answer: B) Stop light

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

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

Answer: B) Outside micrometer

58. What is the purpose of dome light circuit?

- A) Provide enough visibility to driver
- B) Panel board gauges indication
- C) Used for parking vehicle on road
- D) Interior illumination

Answer: D) Interior illumination

59. Where the red colour indicator lamps are provided in the vehicle?

- A) Rear side
- B) Side of vehicle
- C) Front side
- D) Pilot lamp

Answer: A) Rear side

60. What is the colour of pilot lamp provided in the vehicle?

- A) Orange
- B) Green
- C) Red
- D) White

Answer: B) Green

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

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

Answer: D) Dial gauge