

ITI Quiz - 27-Mar-2026

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Q. ID: ITISKILL1490UN

February 2026

Question Paper

Duration: 20 Mins

Total Marks: 61

ID: ITISKILL1490UN

Student Name: _____ Roll No: _____

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

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

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

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

3. What is the material of cylinder block?

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

4. Which is the bearing used in gear boxes?

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

5. Which is connected with piston through piston pin?

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

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

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

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

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

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

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

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

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

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

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

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

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

12. What is ovality of a crank shaft?

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

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

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

14. Which is the bearing used in water pump?

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

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

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

16. Which tool is required to remove the valves?

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

29. Which tool is used to measure the diameter of the crank

shaft main journal?

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

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

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

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

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

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

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

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

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

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

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

35. What is the material of piston pins?

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

36. What is the reason for corrosion of bearing?

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

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

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

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

- A) Indicate traffic behind vehicle B) Provide interior illumination
C) Provide enough visibility to driver D) Highlight the blind spot during bend

39. 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
- B) Compression ring bottom of the piston skirt
D) Compression ring between piston pin and bottom of skirt

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

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

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

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

42. What is the purpose of the timing chain?

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

43. What is the expansion of LED?

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

44. What is ovality of a bore?

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

45. What is the material for cam shaft?

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

46. What is the colour of front indicator lamps?

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

47. What is the purpose of dome light circuit?

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

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

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

49. Which part connect the piston with connecting rod?

- A) Piston pin
B) Cotter pin

- C) Crank pin
D) Spilt pin

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

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

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

- A) LCD light
C) Neon light
- B) LED light
D) Halogan light

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

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

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

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

54. What is the use of tail light?

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

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

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

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

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

57. Which light provide effective illumination during snowfall?

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

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

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

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

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

60. What is the cause of excessive loading?

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

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

the rear?

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