

ITI Quiz - 15-Oct-2026

09:25 AM

Q. ID: ITISKILL3737UT

October 2026

Question Paper

Duration: 30 Mins

Total Marks: 25

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Student Name: _____ Roll No: _____

1. What is the role of recirculating balls in the integral power steering?

- A) Affect steering stability
- B) Provide hard steering
- C) Prevent control in event of hydraulic failure
- D) Combine high mechanical efficiency with smooth operation

2. What is the advantage of series winding type starter motor?

- A) Less cost of maintenance
- B) Increase the life of armature
- C) Produce high starting torque
- D) Produce constant starting torque

3. What is the maximum air pressure supplied by the compressor in the air suspension system?

- A) 180 to 210 PSI
- B) 100 to 115 PSI
- C) 120 to 125 PSI
- D) 200 to 215 PSI

4. Why seat belt and air bag systems are necessary in the vehicle?

- A) To track the stolen car
- B) To protect the driver and passenger
- C) Prevent the steering wheel from turning
- D) Provide ventilation inside vehicle

5. Which type of wheel consist two separate discs are clamped together?

- A) Heavy vehicle
- B) Wire wheel
- C) Split wheel
- D) Disc wheel

6. What is the disadvantage of independent suspension system?

- A) Spring weight is more
- B) Vibration damping is less effective
- C) More maintenance cost
- D) Shocks transmitted from one wheel to other

7. Which type of ECU is the combination of ECM and TCM in the vehicle?

- A) PCM
- B) EBCM
- C) BCM
- D) VCM

8. Which labour act provide information regarding accidents death, or disability?

- A) Employees state insurance act 1948
- B) Employees P.F act 1952
- C) Minimum wages act 1948
- D) Workers compensation act 1923

9. When the driver is warned of difference in tyre pressure?

- A) Difference in pressure more than 10%
- B) Difference in pressure exceeds 40%
- C) Difference in pressure exceeds 30%
- D) Difference in pressure more than 20%

10. What is the range of steering ratio available in general?

- A) 10 : 1 to 18 : 1
- B) 11 : 2 to 22 : 2
- C) 11 : 1 to 24 : 1
- D) 8 : 2 to 22 : 2

11. What is the name of seal used between two parts that do not move in relation to each other?

- A) Static seal
- B) Dynamic seal
- C) Square cut seal
- D) Teflon seal

12. What is the name of distance between most protruding portions on both sides of tyre?

- A) Tyre height
- B) Tyre width
- C) Thread radius
- D) Tyre outer diameter

13. Which type of system is to isolate the vehicle body from road shock and vibration?

- A) Hydraulic system
- B) Control system
- C) Steering system
- D) Suspension system

14. What is the purpose of condenser in the ignition system?

- A) Insulate spark plug electrodes
- B) Open and close the primary circuit
- C) Prevents arcs at the points
- D) Distribute high tension current to spark

15. What is the reason of steering wheel play excess?

- A) Drop in pressure
- B) Improper pre load defective steering

- C) Wornout sealing rings D) Low oil level

16. What is the working principle of alternator?

- A) Law of resistance B) Electromagnetic induction
C) Ohms law D) Lenz's law

17. What is the recommended valve of combined angle in the steering system?

- A) 5 - 8 Degree B) 12 - 15 Degree
C) 15 - 18 Degree D) 9 - 10 Degree

18. Which part of ignition system connects and disconnects primary circuit?

- A) Distributor B) Condenser
C) Contact breaker D) Ignition coil

19. What is the boiling point of refrigerant R-134a?

- A) 26.5 Degree Centigrade B) 27.8 Degree Centigrade
C) 20.5 Degree Centigrade D) 22.0 Degree Centigrade

20. What will be effect of unequal castor in the vehicle?

- A) Vehicle will not move B) Vehicle pull to one side wheel
C) Increase steering stability D) Driver have to use less effort on steering

21. What is the reason of faster wear out of tyre edges?

- A) Defective suspension system B) Un equal load distribution
C) Over inflated tyre D) Under inflated tyre

22. Which type of synchromesh gear box will produce torque more than three times of other types?

- A) Multi and Double cone B) Baulk ring type
C) Baulk type D) Porche type

23. Which type of gear converts rotary motion in to linear motion and vice versa?

- A) Spur gear B) Helical gears
C) Bevel gear D) Rack and Pinion

24. What is the advantage of EFI engine management system?

- A) Better starting and acceleration B) Effective fuel distribution achieved
C) Increased thermal efficiency D) Increased mechanical efficiency

25. 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