

Roll No

AU-6003 (CBGS)

B.E. VI Semester

Examination, November 2019

Choice Based Grading System (CBGS)

Automotive Electricals and Electronics

Time : Three Hours

Maximum Marks : 70

Note: i) Attempt any five questions.

ii) All questions carry equal marks.

1. Discuss principle, construction and operation of Lead-Acid battery.
2. Write down charging methods of batteries. Discuss battery faults and battery maintenance methods.
3. Explain working of starters. Discuss starting motor drive mechanisms.
4. Write down working principle of DC generator and AC alternators.
5. Explain lighting system of a 4 wheeler vehicle.
6. How followings work?
 - a) Speedo meter
 - b) Control locking system
 - c) Windscreen wiper
 - d) Power windows.

7. a) Explain types of sensors?
b) Explain working of throttle position sensors, detonation sensors, temperature sensors.
8. Write short notes on followings:
 - a) Working of solid state ignition system.
 - b) Multi point fuel injection system working.

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