

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

MSc DEGREE EXAMINATION MAY 2018
(Fourth Semester)

Branch - APPLIED ELECTRONICS

CORE ELECTIVE-II: AUTOMOTIVE ELECTRONICS

Time : Three Hours

Maximum : 75 Marks

SECTION -A (30 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks (5 x 6 = 30)

- 1 a Narrate the engine control and ignition system.
OR
b Give an account on automobile physical configuration.
- 2 a Describe the starting system.
OR
B Explain fuel consumption of ignition system.
- 3 a Elucidate fuel injection in automobiles.
OR
b Enumerate electronics control of carburetion.
- 4 a Write about the anti-lock brakes.
OR
b Narrate about airbags and belt tensioners.
- 5 a Give some explanation for to introduce CAN.
OR
b Describe about Bluetooth.

SECTION -B (45 Marks)

Answer any THREE questions

ALL questions carry EQUAL Marks (3 x 15 = 45)

- 6 Give an account on cylinder head and 4 stroke cycle.
- 7 Write the steps to require and start the systems in automobiles.
- 8 Draw the system overview diagram for fuel injection and explain.
- 9 Enumerate the requirements of ABS systems and ABS components.
- 10 Elucidate KWP 2000 wireless technology used J automobile control.