

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

MSc DEGREE EXAMINATION MAY 2019
(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 fundamental of automotive.
OR
b Give an account on steering system.
- 2 a Enumerate the fundamentals of ignition systems.
OR
b Explain the plug leads.
- 3 a Give the advantages of fuel injection.
OR
b Write about what are the areas of control the fuel injection.
- 4 a Elucidate anti-lock brake system control. ,
OR
b What are the functions control by chassis electrical system?
- 5 a Narrate about the LIN.
OR
b Give an account on J1850.

SECTION -B (45 Marks!)

Answer any THREE questions

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

- 6 Enumerate ignition timing and suspension.
- 7 Briefly explain the types of ignition systems.
- 8 Narrate and explain the overview of programmed ignition.
- 9 Elucidate the safety systems such as central locking and electric windows.
- 10 Give an account on Flexray and MOST.