

V72/BAM107/EE/20160523

Time : 3 Hours

Marks : 80

Instruction :

1. All Questions are Compulsory.
 2. Each Sub-question carry 5 marks.
 3. Each Sub-question should be answered between 75 to 100 words. Write every questions answer on separate page.
 4. Question paper of 80 Marks, it will be converted in to your programme structure marks.
-

1. Solve any **four** sub-questions.
 - a) Write a note on Potential Difference. 5
 - b) Explain Photovoltaic Effect. 5
 - c) Write a note on Piezoelectric Effect. 5
 - d) Write a note on Resistance and its types. 5
 - e) State Ohm's Law and its equation. 5
2. Solve any **four** sub-questions.
 - a) Write a short note on Faradays Law of Electromagnetic Induction. 5
 - b) Explain Fleming Right Hand and Left Hand Rule. 5
 - c) Explain types of Transformers with proper schematic diagram. 5
 - d) Draw classification diagram of Motor. 5
 - e) Explain Ignition System. 5
3. Solve any **four** sub-questions.
 - a) Write a short note on Network. 5
 - b) Explain types of network in vehicle. 5
 - c) Explain CAN Bus system. 5
 - d) Write a note on LIN Network. 5
 - e) Write types of BUS in ECM and explain any one of them. 5

4. Solve any **four** sub-questions.
- a) Write note on Transceiver. 5
 - b) What is sensor? Write types of sensors in Automobile. 5
 - c) Write note on Byte. 5
 - d) Explain ROM-READ ONLY Memory. 5
 - e) Explain on Satellite Navigator. 5

