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Total No. of Pages : 02

Total No. of Questions : 09

B.Tech.(AE) (2012 to 2017) (Sem.-7,8)
AUTOMOTIVE ELECTRONICS SYSTEMS
Subject Code : BTAE-703
M.Code : 71819

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTION TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

SECTION-A**1. Write briefly :**

- a. What is the function of relays?
- b. What is altitude sensor?
- c. What is feedback carburetor?
- d. What is the distributor less ignition?
- e. What is solid state injection system?
- f. Explain radio navigation,
- g. What is throttle position sensor?
- h. List out the advantages of anti-braking system.
- i. What is speech synthesis?
- j. What is sequential fuel injection?

SECTION-B

2. Explain feed-back carburetor system.
3. Explain ignition timing with respect to angular position of shaft.
4. Explain Continuous variable transmission system.
5. What is linear solenoid idle speed control system?
6. What are the advantages of electronic spark timing control?

SECTION-C

7. Explain contact less electronic ignition system with neat sketch.
8. Write a note on the following topic :
 - a. Open loop and closed loop control system
 - b. Exhaust emission control system.
9. Write a note on the following topic :
 - a. Antilock braking system,
 - b. Traction control system.

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NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.