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Roll No

EI/IC-8303 (GS)**B.E. VIII Semester**

Examination, May 2018

Grading System (GS)**Intelligent Instrumentation**

(Elective-III)

Time : Three Hours

Maximum Marks : 70

- Note:** i) Attempt any five questions.
 ii) All questions carries equal marks.
 iii) Assume suitable data wherever necessary.

1. a) Differentiate between intelligent and dumb instruments. 7
 b) Explain concept of Real time system and its applications. 7
2. a) Explain Digital transducers. 7
 b) Explain Data Acquisition System. 7
3. a) Describe Logic control system. 7
 b) Explain Data loggers and its application. 7
4. a) Explain Virtual instrumentation and its applications. 7
 b) Discuss Graphical User Interface (GUI). 7

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5. a) Discuss G-programming. 7
 b) Discuss Lab VIEW. 7
6. a) Discuss G-programming tools and libraries. 7
 b) Explain Array operations. 7
7. a) Explain High level and Low level I/O's. 7
 b) Discuss local and Global variables. 7
8. Write short notes on any two: 14
 a) CASE structure
 b) Single and multi loop controller
 c) Software development for level

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