KUMARAGURU
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Register Number: ……

M.E DEGREE EXAMINATIONS: NOV/DEC 2014

(Regulation 2013)

Third Semester

COMPUTER SCIENCE AND ENGINEERING

P13CSTE61: Forensic Computing and Reverse Engineering

Time: Three Hours **Maximum Marks: 100**

Answer all the Questions:-

PART A (10 x 2 = 20 Marks)

1. What is the fundamental concern of forensic computing activity?
2. Tell briefly about the two formats used in addressing the bytes.
3. What do you mean by stored program concept?
4. Why should a forensic analyst place correct interpretations on the observed patterns?
5. What is meant by zoned bit recording?
6. Apply RLL encoding for a data and show the result.
7. What is reverse engineering? Why do we need it?
8. List all the applications of reversing.
9. Which tool is considered to be a dream tool for a reverser?
10. Tell about any 4 system-monitoring tools.

Answer any FIVE Questions:-

PART B (5 x 16 = 80 Marks)

Q.No:11 is Compulsory

11. Explain about the types of debugging tools in detail.

12. (i) What is a magic number? Discuss its relevance to security. (4)

    (ii) Discuss about the different graphic formats. (12)

13. Analyze the series of steps a processor goes through to execute an instruction. Explain the steps with examples.

14. Elaborate on the 5 main issues to be considered with respect to disk drive units from a forensic computing view point.

15. (i) List the guidelines for identifying risky scenarios with respect to reversing. (8)

(ii) Discuss about Digital Millenium Copyright Act. (8)

16. Discuss in detail about the function of disassemblers.

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