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Elective - IV : Digital Forensics

P. Pages : 2

Time : Three Hours

**NIR/KW/18/3699**

Max. Marks : 80

- Notes :
1. All questions carry marks as indicated.
 2. Solve Question 1 OR Questions No. 2.
 3. Solve Question 3 OR Questions No. 4.
 4. Solve Question 5 OR Questions No. 6.
 5. Solve Question 7 OR Questions No. 8.
 6. Solve Question 9 OR Questions No. 10.
 7. Solve Question 11 OR Questions No. 12.
 8. Due credit will be given to neatness and adequate dimensions.
 9. Illustrate your answers whenever necessary with the help of neat sketches.

1. a) What is Forensics Science? Why there is a need to study forensics science? **6**
- b) Analyze the concepts of knowing and unknowing, Data context and data contents? **7**

OR

2. a) What are the different steps for securing and evaluating the scene if computer is on. **6**
- b) What is mean by previewing and imaging? Explain online and offline previewing and imaging? **7**
3. a) Describe the examination principles and discuss seizure issues. **7**
- b) Draw a neat sketch of seven element security model & explain it in detail. **7**

OR

4. a) What are the various problem with computer forensic evidence. **5**
- b) How the digital forensic related to digital devices. Explain with example. **4**
- c) Explain OSI model with respect to digital forensic. **5**
5. a) What is computer crime? Discuss roles, objectives and priorities of computer forensics. **7**
- b) What is computer forensic? How it assist to human resource or employment proceedings. **7**

OR

6. a) What are computer forensic services? Explain it in detail? **7**
- b) Who can use computer forensic evidence and how can computer forensic evidence are useful? **7**

7. a) Explain different types of Business computer forensics technologies? 7
- b) Explain various types of military computer forensic technology. Write on CFX-2000 schematic with figure. 6

OR

8. a) How a computer forensic technology are used in law enforcement. 7
- b) Explain how the data will be protected from being compromised? 6
9. a) What are the ways by which cyber crime occur and how cyber detective track them. 7
- b) Discuss Homeland Security System (HSS). 6

OR

10. a) What is computer forensics incident response procedure? Explain it? 7
- b) Justify the use of Risk management techniques in fighting cyber crime. 6
11. a) Discuss the topics. 6
- i) Computer free encryption.
- ii) Public key encryption.
- b) Illustrate how privacy of individual is violated? Devise some solution to stop it? 7

OR

12. What are the techniques of fighter Cyber Crime with risk management techniques? 13
- a) Effective IP & Staff Policies.
- b) Vendor tools of trade.
- c) Effective procedure.



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It's hard to beat a person who never gives up.

~ Babe Ruth

