

Hall Ticket Number:

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Code No. : 13110 IUBP

**VASAVI COLLEGE OF ENGINEERING (*Autonomous*), HYDERABAD**  
**B.E. (CBCS) III-Semester Main Examinations, December-2017**

**Internet Usage Best Practices**

Time: 3 hours

Max. Marks: 70

*Note: Answer ALL questions in Part-A and any FIVE from Part-B*

**Part-A (10 × 2 = 20 Marks)**

1. Sarbanes-Oxley Act (SOX) is concerned with Information Integrity Regulations. Define them.
2. Draw a neat diagram to illustrate the working of a DMZ.
3. Define the 3 types of Viruses?
4. How do we prevent from Information Threat? Give a common approach adopted for preventing this.
5. Differentiate Monitoring vs Audit in the perspective of countermeasures.
6. Define the role of Post Incident Analysis.
7. Who are WhistleBlowers (WBS)? What is their relation with Espionage? Name one WBS.
8. List the Mobile malware that have infected the iOS and Android in 2016.
9. Define Zero day attack and give an example of it.
10. Define a DoS attack and differentiate this with DDoS.

**Part-B (5 × 10 = 50 Marks)**

11. a) Human Resources and Workplace Issues are an integral part of any Business. Explain the steps to be implemented to address these. [4]  
b) Email and Spam management are one of the most common inbound threats. Describe how Spam Filtering is done on the Network. [6]
12. a) Differentiate between the following Attacks : Phishing, Vishing, SMSing, Smear Phishing? Give examples for each one of them. [4]  
b) Give the structure and functions of countermeasures to defend against internet threats. [6]
13. a) Elaborate on the various tasks that must be performed to MAINTAIN a variety of countermeasures. [4]  
b) Information loss is possible through growing threats in the internet. List the concerns and describe how on Nimda, Code Red were successful in achieving this? [6]

