

**MAY 2022 - ENDSEM EXAM**  
**T.Y.BTECH. (All Branches) (SEMESTER - II)**  
**COURSE NAME: OPEN ELECTIVE I**  
**[INFORMATION AND CYBER SECURITY]**  
**COURSE CODE: IOEUA32185A**  
**(PATTERN 2018)**

**Marking Scheme**

- Q.1      a) Infer the need of SET and Enlist the participants in SET.      [4]  
            Need – 2 Marks  
            Participants list – 2 Marks  
            b) Discuss about SSL. Enlist and explain all SSL message      [6]  
            types with their parameters.  
            SSL discussion – 2 marks  
            Message types – 2 Marks      [6]
- OR**
- b) Describe the security features for securing the electronic  
            mails.  
            6 features – 1 mark for each
- Q.2      a) Define firewall and Enlist main functions of firewall.      [4]  
            Definition- 1 mark  
            Functions – 3 Marks      [6]  
            b) Summarize the need of Root Certificate.  
            Need – 6 marks      [6]
- OR**
- b) Enlist the characteristics of firewall.  
            6 characteristics – 1 mark for each
- Q.3      a) Compare SQL Injection attack and XSS.      [4]  
            2 points – 2 marks each      [6]
- b) Summarize preventive measures of XML External Entities  
            (XXE).  
            6 measures – 1 mark each      [6]
- OR**
- b) Choose and Explain any two Vulnerabilities.  
            3 marks for each vulnerability