

**Bharati Vidyapeeth
(Deemed to be University), Pune
School of Distance Education**

Name of the Assignment Setter:		Dr. Baljeet Kaur			
Course:		Class:	MCA	Semester:	V
Subject:	(11)B- Information Security Threats and Mitigation Strategies				
Q.1)	Attempt ANY ONE of the Following (1000 Words)				(10)
a)	What is the major structural drawback of the TCP/IP model? Explain different types of operating systems that can be deployed on any machine.				
b)	Differentiate between Active and Passive footprinting.				
Q.2)	Attempt ANY TWO of the Following (800 Words)				(12)
a)	Design the architecture of the Web Server. List major vulnerabilities of a web server.				
b)	Define the Intrusion detection program. List commonly used methods to evade IDS				
c)	List different means to facilitate social engineering. Explain the different kinds of social engineering attacks.				
d)	Define the role and importance of Honeypot .List different vulnerabilities to hack advanced web applications				
Q.3)	Write Short Notes on (ANY TWO)				(08)
a)	Digital signature and the latest trend in identifying digital signature				
b)	IP address spoofing and source routing				
c)	Primary techniques used to retrace passwords				
d)	SQL injection				
