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| Course & Branch : B.E. CSE (Open Elective) | Semester: 5th/7th |
| Subject : Ethical Hacking | Subject Code: CSO-447 |
| Date of Allocation: Nov 2018 | Regular/ Reappear: Regular |

Assignment Ethical Hacking

Assignments-3.1

1. Give brief discussion of Denial of Service (DoS) attack. (3)
2. Explain Legal, professional and ethical issues likely to face the domain of ethical hacking (3)
3. Discuss Mobile based social engineering. (3)
4. Differentiate MAC and IP address. (3)

Assignments-3.2

1. Compare vulnerability assessment and penetration testing. (3)
2. How security misconfiguration can make web applications vulnerable and how is it harmful? (3)
3. Different techniques used for Trojan deployment. (3)
4. Differentiate Pre- attack phase and post attack phase of penetration testing. (3)

Assignments-3.3

1. Enlist different techniques to crack web server passwords. (3)
2. List various hacking stages. (3)
3. Differentiate Black hat and Grey hat hackers. (3)
4. List various tools and techniques used by Ethical hackers. (3)

Assignments-3.4

1. Various techniques used for footprinting. (3)
2. Differentiate computer based and human based social engineering. (3)
3. Brute force for session hijacking. List some session hijacking techniques. (3)
4. Discuss Network Hijacking and Application Level Hijacking. (3)

Assignments-3.5

1. IP spoofing in session hijacking. (3)

2. Role of Host Reconnaissance in Session Hacking process with complete life cycle process. (3)
3. Compare Security audit, vulnerability assessment and penetration testing. (3)
4. Discuss countermeasures against social engineering. (3)

Assignments-3.6

1. Active and passive session hijacking techniques. (3)
2. Effects of Man-in-the-middle and man-in-the-browser attacks in each other. (3)
3. List out the technique to crack webserver passwords. (3)
4. Differentiate Computer based and Human based social engineering. (3)

Assignments-3.7

1. Compare automated and manual penetration testing. (3)
2. Differentiate Pre attack phase of penetration testing from post attack phase. (3)
3. Usage of DNS domain names, IP address information for penetration testing. (3)
4. How programs and applications are vulnerable to buffer overflows. (3)

Assignment Allocation UID-wise

| S.No. | UID | Name | Program Code | Assignment No |
|-------|-----------|-----------------------|--------------|-----------------------|
| 1 | 15BAM1093 | ARUNJIT SINGH | AE201 | Assignment Set No 3.1 |
| 2 | 15BAS1113 | PRANAV | AS201 | Assignment Set No 3.1 |
| 3 | 15BCE1367 | PARMOD KUMAR | CE201 | Assignment Set No 3.1 |
| 4 | 15BCE1394 | MANISH KUMAR | CE201 | Assignment Set No 3.1 |
| 5 | 15BCH1060 | NEERAJ | CH201 | Assignment Set No 3.1 |
| 6 | 15BCS2106 | NITIN GUPTA | CS201 | Assignment Set No 3.1 |
| 7 | 15BEC1101 | VIKRAM SINGH | EC201 | Assignment Set No 3.1 |
| 8 | 15BEC1151 | SUJIT KUMAR | EC201 | Assignment Set No 3.1 |
| 9 | 15BEC1161 | ARSHIT JAMWAL | EC201 | Assignment Set No 3.1 |
| 10 | 15BEC1163 | SUKHWINDER SINGH | EC201 | Assignment Set No 3.1 |
| 11 | 15BEL1055 | ASHISH | EL201 | Assignment Set No 3.1 |
| 12 | 15BME1198 | VANSH KAPOOR | ME201 | Assignment Set No 3.1 |
| 13 | 15BME1385 | SPARSH SINHA | ME201 | Assignment Set No 3.1 |
| 14 | 15BME1398 | KARAN SINGH | ME201 | Assignment Set No 3.2 |
| 15 | 15BPE1022 | ROHAN NAHAR | PE201 | Assignment Set No 3.2 |
| 16 | 16BAV1005 | RAJAT | AN203 | Assignment Set No 3.2 |
| 17 | 16BAV1018 | AYUSH MAHAJAN | AN203 | Assignment Set No 3.2 |
| 18 | 16BAV1033 | UTKARSH JAIN | AN203 | Assignment Set No 3.2 |
| 19 | 16BAV1042 | MOHAN SINGH | AN203 | Assignment Set No 3.2 |
| 20 | 16BAV1058 | SONAM TSHERING BHUTIA | AN203 | Assignment Set No 3.2 |
| 21 | 16BAV1064 | PRASHANT THAKUR | AN203 | Assignment Set No 3.2 |
| 22 | 16BAV1118 | VIKAS KUMAR | AN203 | Assignment Set No 3.2 |
| 23 | 16BAV1184 | ROHIT MEHTA | AE201 | Assignment Set No 3.2 |
| 24 | 16BAV1190 | AJAY KUMAR | AN203 | Assignment Set No 3.2 |
| 25 | 16BAV1205 | ARVIND KUMAR ANANAD | AN203 | Assignment Set No 3.2 |
| 26 | 16BAV1215 | PARINDA ARTTHED | AN203 | Assignment Set No 3.2 |
| 27 | 16BAV1219 | SHUBHAM SHARMA | AN203 | Assignment Set No 3.3 |
| 28 | 16BAV1225 | JASDEEP SINGH | AN203 | Assignment Set No 3.3 |
| 29 | 16BAV1230 | MORCHIA PAA GEORGE | AN203 | Assignment Set No 3.3 |
| 30 | 16BBA1008 | AKASH VERMA | BB201 | Assignment Set No 3.3 |
| 31 | 16BBA1019 | ANKUR SHALLA | BB201 | Assignment Set No 3.3 |
| 32 | 16BBA1032 | SUMIT BHATT | BB201 | Assignment Set No 3.3 |
| 33 | 16BBA1147 | KANWALPREET SINGH | BB201 | Assignment Set No 3.3 |
| 34 | 16BBA1175 | AKSHIT MAHAJAN | BB201 | Assignment Set No 3.3 |
| 35 | 16BBA1200 | SPARSH JAIN | BB201 | Assignment Set No 3.3 |
| 36 | 16BBA1227 | NITISH GUPTA | BB201 | Assignment Set No 3.3 |
| 37 | 16BBA1252 | VIVEK NAIN | BB201 | Assignment Set No 3.3 |
| 38 | 16BBA1278 | SAWAN SHARMA | BB201 | Assignment Set No 3.3 |
| 39 | 16BBA1646 | AYUSH KUMAR CHAUHAN | BB201 | Assignment Set No 3.3 |

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| 40 | 16BBA1732 | HARPAL SINGH | BB201 | Assignment Set No 3.4 |
| 41 | 16BCM1008 | AMIT SHARMA | CM201 | Assignment Set No 3.4 |
| 42 | 16BCM1012 | AKSHAT VERMA | CM201 | Assignment Set No 3.4 |
| 43 | 16BCM1017 | AMIT KUMAR | CM201 | Assignment Set No 3.4 |
| 44 | 16BCM1024 | RAHUL VERMA | CM201 | Assignment Set No 3.4 |
| 45 | 16BCM1028 | NANCY CHAUDHARY | CM201 | Assignment Set No 3.4 |
| 46 | 16BCM1049 | GAURAV KUMAR GUPTA | CM201 | Assignment Set No 3.4 |
| 47 | 16BCM1050 | PARDEEP KAUR | CM201 | Assignment Set No 3.4 |
| 48 | 16BCM1060 | SUKHWANT KAUR | CM201 | Assignment Set No 3.4 |
| 49 | 16BCM1073 | ARCHIT GUPTA | CM201 | Assignment Set No 3.4 |
| 50 | 16BCM1096 | GAGANDEEP SINGH | CM201 | Assignment Set No 3.4 |
| 51 | 16BCM1098 | ANIMESH GALAV | CM201 | Assignment Set No 3.4 |
| 52 | 16BCM1101 | LAKHPREET SINGH | CM201 | Assignment Set No 3.4 |
| 53 | 16BCM1109 | KUMAR HARSH | CM201 | Assignment Set No 3.5 |
| 54 | 16BCM1131 | GURKIRAT SINGH | CM201 | Assignment Set No 3.5 |
| 55 | 16BCM1133 | AMIT KUMAR | CM201 | Assignment Set No 3.5 |
| 56 | 16BCM1150 | DILPREET SINGH | CM201 | Assignment Set No 3.5 |
| 57 | 16BCM1180 | DILBAG | CM201 | Assignment Set No 3.5 |
| 58 | 16BCM1220 | MAN MOHAN | CM201 | Assignment Set No 3.5 |
| 59 | 16BCM1235 | DINESH BASKI | CM201 | Assignment Set No 3.5 |
| 60 | 16BCM1298 | KANIKA KRISHNA | CM201 | Assignment Set No 3.5 |
| 61 | 16BCM1318 | PRABHJOT SINGH | CM201 | Assignment Set No 3.5 |
| 62 | 16BCM1335 | DEEPAK RANA | CM201 | Assignment Set No 3.5 |
| 63 | 16BCM1351 | MWESIGWA TIMOTHY BRIGHT | CM201 | Assignment Set No 3.5 |
| 64 | 16BCM1356 | LALIT KUMAR | CM201 | Assignment Set No 3.5 |
| 65 | 16BCM1360 | SURAJ KATOCH | CM201 | Assignment Set No 3.5 |
| 66 | 16BCM1412 | PARMOD | CM201 | Assignment Set No 3.6 |
| 67 | 16BCM1424 | DAVID SAMWEL WABANHU | CM201 | Assignment Set No 3.6 |
| 68 | 16BCM1476 | AMIT KUMAR | CM201 | Assignment Set No 3.6 |
| 69 | 16BCM1483 | LALIT KUMAR | CM201 | Assignment Set No 3.6 |
| 70 | 16BHM1127 | ANKIT KUMAR | HM202 | Assignment Set No 3.6 |
| 71 | 16BHM1128 | BAJ BAHADUR | HM202 | Assignment Set No 3.6 |
| 72 | 16BHM1135 | SAGAR RANA | HM202 | Assignment Set No 3.6 |
| 73 | 16BHM1136 | MRITUNJAY BHARDWAJ | HM202 | Assignment Set No 3.6 |
| 74 | 16BHM1148 | ARSHDEEP SINGH | HM202 | Assignment Set No 3.6 |
| 75 | 16BHM1307 | SHIVAM | HM202 | Assignment Set No 3.6 |
| 76 | 16BHM1520 | HARMANDEEP SINGH | HM202 | Assignment Set No 3.6 |
| 77 | 16BJM1074 | RIYA NEHRA | BJ201 | Assignment Set No 3.6 |
| 78 | 16BJM1093 | AVICHAL KUMAR | BJ201 | Assignment Set No 3.6 |
| 79 | 16BPH1002 | SUBRATA DUTTA | BP201 | Assignment Set No 3.7 |
| 80 | 16BRE1009 | ADARSH KUMAR | HM203 | Assignment Set No 3.7 |

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| 81 | 16BRE1033 | RASHANVEER SINGH | HM203 | Assignment Set No 3.7 |
| 82 | 17BAV9001 | ADITYA AGGARWAL | AN203 | Assignment Set No 3.7 |
| 83 | 17MBA7054 | KASHISH LEEKHA | MB302 | Assignment Set No 3.7 |
| 84 | 17MBA7063 | ISHAN BEHAL | MB302 | Assignment Set No 3.7 |
| 85 | 17MBA7081 | AMIT KUMAR | MB302 | Assignment Set No 3.7 |
| 86 | 17MBA7089 | PARUL MANGLA | MB302 | Assignment Set No 3.7 |
| 87 | 17MBF5016 | ROHIT BILLOWERIA | MF301 | Assignment Set No 3.7 |
| 88 | 17MBF5022 | GOVIND KUMAR | MF301 | Assignment Set No 3.7 |
| 89 | 17MBF5040 | SHIVAM SHARMA | MF301 | Assignment Set No 3.7 |
| 90 | 17MHT1082 | NAMAN | TH301 | Assignment Set No 3.7 |