

DIPLOMA IN NETWORK SECURITY (2018-COURSE)
MODULE-I :SUMMER- 2022
SUBJECT : NETWORK SECURITY MODULE-I

Day : Wednesday
Date : 29-06-2022

S-20184-2022

Time : 10:00 AM-01:00 PM
Max. Marks : 60

N.B.

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the **RIGHT** indicate **FULL** marks.
 - 3) Use of non-programmable calculator is **allowed**.
 - 4) Assume suitable data **WHEREVER** necessary.
 - 5) Draw neat labeled diagrams **wherever** necessary.
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Q.1 Explain in detail TCP / IP model and OSI model. **(10)**

OR

Q.1 Explain basic terminologies of operating system and networks. **(10)**

Q.2 Explain peer to peer and client server networking models. Write advantages and disadvantages of peer to peer and client server networking models. **(10)**

OR

Q.2 What is operating system? What are the basic functions of operating system? **(10)**

Q.3 Explain necessity of ethical hacking and qualities of ethical hacker. **(10)**

OR

Q.3 i) Explain in detail : file Transfer Protocol (FTP). **(05)**

ii) What is DHCP? How it can be configured? **(05)**

Q.4 What is information security? Explain elements of information security with example. **(10)**

OR

Q.4 Enlist networking protocols. Explain any three networking protocols in detail. **(10)**

Q.5 Which vulnerabilities are used in smart phone attacks? **(10)**

OR

Q.5 What is DOS and DDOS attack and why it is used by attacker? **(10)**

Q.6 Explain architecture of mobile networks. **(10)**

OR

Q.6 Describe phases of ethical hacking in detail. **(10)**
