RAN-2511000903011006-D

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B.C.A. (NCF-NEP) (Sem. - III) Examination December - 2025

303-04-MJ1 : Network Security And Penetration Testing (PR)

[Total Marks: 25

સૂચના : / Instructions

(1) ઉપરોક્ત દર્શાવેલ વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the above details on your answer book.
(2) Sketch neat and labelled diagram wherever necessary.
(3) Figures to the right indicate full marks of the question.
(4) All questions are compulsory.

Seat No.:

Student's Signature

Q. 1. **Install Snort on your system and configure it in IDS mode**. **(20)**

1) Capture network traffic on your local network interface (eth0 or wlan0).
2) Create a simple rule to detect ICMP (ping) packets.
Example rule
3) alert icmp any any ->any any (msg:"ICMP packet detected"; sid:1000001; rev: 1;)
4) Generate an alert by pinging another host.

Task: Take a screenshot showing the Snort alert.

Q. 2. VIVA **(05)**

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