SHRIMATHI DEVKUNVAR NANALAL BHATT VAISHNAV COLLEGE FOR WOMEN
(AUTONOMOUS)
(Affiliated to the University of Madras and Re-accredited with 'A+' Grade by NAAC)
Chromepet, Chennai — 600 044.
M.Sc.(Computer Science) END SEMESTER EXAMINATIONS NOVEMBER - 2023
SEMESTER - III
20PCSET3CN3 - Crytography and Network Security

Total Duration : 2 Hrs. 30 Mins.   Total Marks : 60

Section B

Answer any **SIX** questions $(6 \times 5 = 30$ Marks$)$

1. Explain substitution techniques in detail.

2. Appraise Diffie Helllman key exchange.

3. Explain digital signature in detail.

4. Show DKIM functional diagram and explain.

5. Describe DES algorithm with neat diagram.

6. Discuss and apply public key cryptography.

7. Describe message authentication code.

8. Discuss IP security in detail.

Section C

I - Answer any **TWO** questions $(2 \times 10 = 20$ Marks$)$

9. Illustrate the classical encryption technique with an example.

10. Draw the structure of AES and prepare the steps in AES encryption process.

11. Examine RSA algorithm in detail.

12. Examine SHA algorithm with neat diagram.

II - Compulsory question $(1 \times 10 = 10$ Marks$)$

13. Determine wireless application protocol in detail with neat diagram.

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