

Term End Examination - December, 2016

Diploma in Cyber Security

DCS-03: NETWORKING ADVANCED(2015 Syllabus)

Time - 3 hours

Full Mark - 100

Answer any four questions from Group - 'A', any two questions from Group - 'B' and any three questions from Group - 'C'

Group 'A'

Marks: 5 × 4= 20

(Answer any four questions each within 100 words)

Q. No. 1

- What do you mean by Identification? Give an example.
- What are different ways of Authorization?
- What is an attack? What are two categories of attacks?
- Define the terms: encryption and decryption.
- Differentiate between from cryptography and cryptanalysis.
- Write short notes on Caesar cipher.
- What are different applications of cryptography?

Group 'B'

Marks: 10 × 2= 20

(Answer any two questions each within 250 words)

Q. No. 2

- Discuss the features and uses of a firewall in a networked computer system.
- Write short notes on Intrusion Prevention System.
- Differentiate between the Substitution and Transposition cryptographic techniques.
- Outline the differences between symmetric key and asymmetric key cryptography?
- What is an attack? Explain different types of security attacks.

Group 'C'

Mark: 20 × 3= 60

(Answer any three questions each within 500 words)

Q.No.3. How block ciphers are different from stream ciphers.

- Discuss any two different conventional encryption techniques.
- What is a firewall? Give an overview of firewalls.
- Explain the of user management in server management and firewall.
- Differentiate between Intrusion Prevention System and Intrusion detection system
- Write the principle of encryption using Playfair Cipher and encrypt the word FRIDAY using it with a key word MONARCHY.