

SUBJECT : CYBER SECURITY

Day : **Friday**
Date : **10/11/2017**

Time **11.00 AM TO 02.00 PM**
Max. Marks : **60**

W-2017-0837

N.B.

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.

Q.1 Explain Computer Network and its benefits with OSI model. **(15)**

OR

What do you mean by firewall? Describe various firewall types and functions.

Q.2 A) Answer any **ONE**: **(08)**

i) Describe IP address spoofing and tiny fragment attack.

ii) Explain IPV4 address classes and its ranges.

B) Answer any **ONE**: **(07)**

i) Explain the need for legal recognitions of electronic records.

ii) What is E-governance ? Describe the benefits of E-governance.

Q.3 Answer any **THREE**: **(15)**

a) Explain objectives of cryptography.

b) How computer source code is protected under IT Act 2000?

c) Explain the necessary conditions to become a certifying authority.

d) Explain symmetric cryptography with example.

e) What are computer aided crimes?

Q.4 Write short notes on any **THREE**: **(15)**

a) DMZ (De-Militarized Zone)

b) Digital Signature

c) Information Technology Act 2000

d) DHCP Process

e) IP characteristics

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