

Sem III
I.T.

Foundation of I.T.

2015106

Con. 1719-06.

(REVISED COURSE)
(3 Hours)

TV-7863
[Total Marks : 100

- N. B. : (1) Question No. 1 is compulsory.
(2) Attempt any **four** questions out of remaining **six** questions.
(3) Make **suitable** assumptions and state it **clearly** wherever required.

1. (a) Explain in brief : 10
(1) Quality of information (2) Amplitude Quantization.
(b) Discuss the various levels of management and the information that they need at each level. 10
2. (a) Explain the various steps involved in software development life cycle. 10
(b) Discuss the major features of ISDN. 10
3. (a) Explain how the computers have evolved over the years. 10
(b) What is Firewall and explain different types of Firewall. 10
4. (a) Explain data warehousing and data mining. 10
(b) Explain public key cryptography. What are the differences between private and public keys. 10
5. (a) Explain the general model of data communication. What is the role of the modem at sender's and receiver's end ? 10
(b) Explain TCP/IP. Also explain why TCP/IP is so important for internet. 10
6. (a) Discuss different categories of E-Commerce. 10
(b) What are internet Address? Explain the process of allocation of internet Addresses. 10
7. Write short notes on :— 20
(a) Geographical information system (c) SMTP
(b) HTML (d) Gateways.