

S.E (INFORMATION TECHNOLOGY) (SEM III) (REV) EXAMINATION,
OCTOBER, 2006
Foundations of Information Technology
[REVISED COURSE]

CON/4626-06.

YM-5305

(3 Hours)

[Total Marks : 100

25/6/06
N.B. : (1) Question No.1 is compulsory.

(2) Attempt any four questions out of remaining six questions.

1. (a) Why does internet technology needs backbone of protocol ? 10
(b) Considering the upgradation of computers which were the issues observed in different generation of computer generation. Explain them by specifying example for each. 10
2. (a) Explain the different designing aids that are used for developing problem solving techniques. 10
(b) Explain ASCII and EBCDIC code with example. 6
(c) Enlist major features of ISDN. 4
3. (a) Differentiate at least six points between information and data. 10
(b) Explain merits and demerits of e-commerce. 10
4. (a) Explain the importance of cryptography in business and technology as well differentiate between public key and private key. 10
(b) What are new threats generated to business and computers due to internet technology and explain the solution related to it. 10
5. (a) Specify clearly the function of Routers, OSI/ISO model, Gateways URL. 10
(b) Discuss various types of semiconductor memory. 10
6. (a) Discuss different levels of management and information that an organisation need. 10
(b) In wireless application, what is the significance of its protocol. 10
7. Write short note on any three : 20
(a) Data warehouse (c) Multimedia tool and application
(b) GIS (d) Software testing.
