

Con. 2737-07.

[REVISED COURSE]

ND-446

24th may 2007

(3 Hours)

[Total Marks : 100]

N.B. : (1) Question No. 1 is **compulsory**.

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

(3) Assume **suitable** data if **necessary**.

(4) **Figures** to the right indicate **full marks**.

1. (a) What is meant by the term Information Representation ? Describe various data format. Which can be used to hold information ? 8
- (b) Explain the major services provided by the internet. 8
- (c) What is the difference between data and information ? 4
2. (a) Define quality of information. Explain the attributes of a quality of information. 10
- (b) Define computer generations. Explain the major advances in each generation. 10
3. (a) Explain how the digital computer captures the real world data. How the result produced by the digital computer is analyzed in the real world ? 10
- (b) What is the Internet ? List the important usages of Internet. 10
4. (a) Discuss different levels of management and the information that they need at each level. 10
- (b) If you intend to buy a computer, how would you decide which computer should be purchased and what peripherals it should have ? 10
5. (a) Explain with reasons why the no. of computers / computer networks have been added to the internet at an exponential rate. 10
- (b) Specify clearly the function of routers, OSI/ISO model, Gateways URL. 10
6. (a) Explain the reasons why Java is considered as the best language for Internet Applications. 10
- (b) Explain Data warehousing and Data Mining. 10
7. Write short notes on (any three) :- 20
 - (a) E - Commerce.
 - (b) GIS (Geographical Information System)
 - (c) Cryptography
 - (d) Wireless Application Protocol.