

TIME : 2 hrs.

JKXADW

16/10/10

MARKS :60

- Note :**
1. Answer all Four Question.
 2. Question No.1 & Question No.2 are Compulsory.
 3. Question No. 3 & 4 has multiple choices.

Q. 1 Define e-Commerce and what are the issues in developing e-Commerce (15) applications ? Explain e-Procurement with various stages in e-Procurement of indirect goods.

Q. 2 Explain in Brief : (15)

- a) Operational, Analytical, Distributed, Online databases
- b) LAN WAN SAN
- c) EDI and EFT
- d) VOIP
- e) TPS, OAS, KWS
- f) ALU, CU, CPU
- g) Volatile and Non-Volatile Memory
- h) Information Technology and Information Systems

Q. 3 A What is a Computer and why is it called a Data Processor ? (15) Define Characteristics of Computer.

B Explain various generations of computers with examples.

OR

A What is a communication Protocol and its functions ? Describe with diagram various Data Transmission modes.

B Explain in brief different types of network, and network topologies.

Q. 4 A Define database. Describe in brief various types of databases and (15) the advantages of database approach ?

B What is DBMS and its functions ? Explain in brief various types of Database Models.

OR

A Define Internet and what technology is required for Internet to work ?

B What are the applications and disadvantages of Internet; What are the components, benefits and disadvantages of Extranet ?

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