

(i) Printed Pages : 3

Roll No.

(ii) Questions : 9

Sub. Code :

3	6	1	3
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Exam. Code :

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M.Sc. Information Technology 2nd Semester

(2053)

E-COMMERCE AND EMERGING TRENDS

Paper : M.S.-65

Time Allowed : Three Hours]

[Maximum Marks : 80

Note :— Attempt *five* questions in all, including Q. 9 in Part-E, which is compulsory and taking *one* each from Part-A to Part-D.

SECTION—A

1. (a) Explain the Architectural framework for electronic commerce. Compare and contrast the traditional business with electronic commerce in a book shop business.
- (b) Describe the security services that are to be offered in e-Payment systems. Discuss any one e-Payment system in detail. 8,8
2. (a) Discuss the legal, security and privacy issues involved in implementing e-commerce.
- (b) Define Electronic Data Interchange (EDI). Explain the layered architecture of Define Electronic Data Interchange (EDI). 8,8

SECTION—B

3. What is Business Intelligence (BI) for large enterprises and why is it so important ? Discuss the environment of Business Intelligence and various applications of BI. How do business organizations use it for competitive advantage ? 16
4. (a) Explain how Supply Chain Management (SCM) can be used to renovate the businesses using E-commerce.
(b) What are the basic components of Online Publishing System ? Explain. How Internet can be useful for each of these components ? 8,8

SECTION—C

5. What is parallel computing ? Provide an overview of parallel architectures and parallel programming models giving their distinguishing characteristics and relative merits/demerits. 16
6. Define cloud computing and identify its core features. Describe the basic components of an IaaS-based solution for cloud computing. Give the names of some popular software-as-a-service solutions. 16

SECTION—D

7. Define grid computing. Briefly explain the data grid architecture. Describe the new grid architecture for virtual organizations. 16

8. Explain in detail about cellular system with neat diagram. Compare and contrast GSM and CDMA protocols used for cellular data communication with examples. 16

SECTION—E

(Compulsory Question)

9. (a) What are the various attacks on an e-commerce website ?
(b) What is meant by network firewall ? Explain.
(c) What is the difference between structured and un-structured digital data ?
(d) Define OLAP.
(e) Describe Flynn's taxonomy of parallel computing.
(f) Define MPMP in the context of parallel computing.
(g) How is grid computing different from cluster and P2P computing ?
(h) What is Palm OS ? 8×2=16