Name : ....

Roll No. : ....

Invigilator's Signature : ....

CS/B.TECH(CSE)/SEM-8/CS-801E/2010
2010
E-COMMERCE AND ERP

Time Allotted : 3 Hours   Full Marks : 70

The figures in the margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

GROUP – A
(Multiple Choice Type Questions)
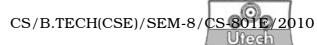
1. Choose the correct alternatives for the following :

                                        10 × 1 = 10

   i)   Symmetric encryption involves

        a)   Public key

        b)   Private key

        c)   both of these

        d)   none of these.

   ii) Some modules of ERP packages are

        a)   Finance

        b)   Sales & Distribution

        c)   Quality Management

        d)   none of these.

[Turn over

iii) There are .... types of Business Transaction models.

a) one   b) two

c) three   d) four.

iv) Which one of the following is a protocol for secure messaging ?

a) PGP   b) PEM

c) S/MIME   d) All of these.

v) *i Gov. com* is an example of

a) B2B b)   B2C

c) B2G d)   C2B.

vi) Investment management is a sub-system of

a) Sales & Distribution

b) Finance

c) Quality Management

d) None of these.

vii) In RSA algorithm .... numbers are involved.

a) odd   b) even

c) prime   d) All of these.

viii) The *e*-cash is generally stored in the customer's computer in the form of an

a) *e*-chain   b) *e*-money

c) *e*-wallet   d) none of these.

ix) *E*-business S/W is best defined to manage

a) buyer applications   b) seller applications

c) all of these   d) none of these.

x) .... occurs when one business transmits computer-readable data in a standard format to another business.

a) EFT   b) VAN

c) EDI   d) LAN.

GROUP – B

(Short Answer Type Questions)

Answer any *three* of the following.   3 × 5 = 15

2. Describe the impact of EDI on the Supply Chain Management of a manufacturing plant.

3. What is supplier centric B2B electronic commerce ?

4. What is meant by technological convergence ? What are its implications ?   2 + 3

5. Compare charge card with credit card.

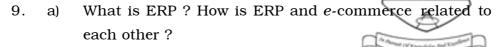6. Describe how RSA and DES algorithms can be used for EDI security.

GROUP – C

(Long Answer Type Questions)

Answer any *three* of the following.   3 × 15 = 45

7. a) Define firewall and state its functions in *e*-commerce.

    b) What are digital signatures ? How do they differ from digital certificates ?

    c) Given two prime numbers $p = 17$, $q = 29$. Find out n, e, d in RSA encryption process.

    d) "A proper BPR exercise helps in implementation." Comment.   4 + (1 + 2) + 5 + 3

8. a) What is *e*-cash ? Explain in brief the steps involved in the operation of *e*-cash by an individual.

    b) What are the security requirements for safe *e*-payments ?

    c) Why is supply chain vital for *e*-commerce ?

    d) Explain the role played by *e*-supply chain planning tools in managing supply chain of an *e*-business.   (1 + 3) + 3 + 3 + 5

9. a) What is ERP ? How is ERP and *e*-commerce related to each other ?

   b) What is Business Process Redesign ? Why is it necessary to do BPR before implementing ERP ?

   c) Define WAP. Explain its importance in *e*-commerce.

   d) What is ubiquity ? Define content. What is content partnership ? (1 + 2) + (2 + 3) + (2 + 2) + (1 + 1 + 1)

10. a) What is key wrapping ? How is it useful ?

    b) Define EDI and discuss its various essential elements. Discuss EDIFACT standard.

    c) In today's world it is not practical to have

       i) an ERP system without *e*-commerce

       ii) an *e*-commerce system without ERP.

       Comment on (i) and (ii)

    d) Explain how a supply chain portal works.

                              (1 + 2) + (3 + 3) + 4 + 2

11. Write short notes on any *three* of the following :   3 × 5

    a) Software piracy

    b) Call centre

    c) SCE framework

    d) Message Digest

    e) Intrusion Detection System.

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