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Paper Code : IT-703A

E-COMMERCE

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 any *ten* of the following :   10 × 1 = 10

   i) E-commerce is not suitable for
   a) Sale/purchase of expensive jewellery and antiques
   b) Online job searching
   c) Sale/purchase of mobile phones
   d) Sale/purchase of branded clothes.

   ii) The IT act was passed by the Indian Parliament in the year
   a) 1999   b) 2000
   c) 2001   d) 2002.

   iii) Which one of these is a protocol for secure messaging ?
   a) PGP   b) PEM
   c) S/MIME   d) All of these.

[Turn over

iv) iGov.com is an example of
   a) B2B   b) B2C
   c) B2G   d) C2B.

v) In RSA algorithm .... numbers are involved.
   a) ODD   b) EVEN
   c) PRIME   d) All of these.

vi) The e-cash is generally stored in the customers computer in the form of an
   a) E-chain   b) E-money
   c) E-wallet   d) None of these.

vii) EAN number consists of
   a) 13 digits   b) 10 digits
   c) 17 digits   d) 15 digits.

viii) Which one is not a domain name ?
   a) .nic   b) .nes
   c) .boc   d) .ernet.

ix) RSA Algorithm deals with
   a) Cyber Law   b) Encryption
   c) EDI   d) Digital Signature.

x) Which one is not an EDI standard ?
   a) ODETTE   b) TRADACOMES
   c) ANSI X12   d) ANSI 24.

xi) Example(s) of e-money is/are
   a) Credit Card   b) Debit Card
   c) Charge Card   d) All of these.

xii) Which one is *not* a force fuelling e-commerce ?
   a) Economic Force
   b) Technology & Digital Force
   c) Internet Task Force
   d) Marketing & Customer Interaction Force.

GROUP – B
(Short Answer Type Questions)
Answer any *three* of the following.   3 × 5 = 15

2. Describe the steps for a B2C process model. (with necessary diagram).

3. Compare & contrast electronic Document versus Paper document in terms of ease of Implementation, issues of security, relative merits & demerits.

4. What role does Cryptography play in e-commerce ? Distinguish between Symmetric & Asymmetric Cryptosystem.   2 + 3

5. Write a brief note on legal issues regarding Trade Mark & Domain Name.

6. What is Trade Cycle ? What are activities a Trade Cycle should include ?   1 + 4

GROUP – C
(Long Answer Type Questions)
Answer any *three* of the following.   3 × 15 = 45

7. What is Online Banking System ? Explain the entire process of Online Banking System. Discuss the advantages of Online Banking System.   3 + 6 + 6

8. Discuss the RSA algorithm in detail. Using RSA algorithm encrypt the letter F using the usual numerical scheme (for example A means 1) and decrypt the cipher text message 19 indicating one plain text letter where initial two primes p and q and 3 and 11 respectively.   5 + 5 + 5

9. What are the basic components of EDI ? What do you mean by EDI standards ? What is UN/EDIFACT ? What are the importances of EDI ?   4 + 4 + 3 + 4

10. What is E-Commerce ? Distinguish between B2B, B2C, C2B models. Discuss advantages and disadvantages of E-commerce.   3 + 6 + 6

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

   a) Digital Signature

   b) Online Gambling

   c) Online Auction

   d) Trade Cycle in E-Commerce

   e) Firewall in E-Commerce.