No. of Printed Pages—2

656 (El–II)

[17–HRGPKAC–M6S]

MCA 6th Semester Exam., 2017

ELECTRONIC COMMERCE

[MCA (S6) 22]

Full Marks : 80

Time : 3 hours

The figures in the margin indicate full marks for the questions

1. Answer any *five* of the following questions : 2×5=10

(a) Define electronic money.

(b) What are distributed objects?

(c) How is search engine different from intelligent agent?

(d) Define identity theft.

(e) Give four limitations of e-auctions.

(f) What is payment gateway?

2. Answer any *three* of the following questions : 4×3=12

(a) Define cyber crime. Also define the terms 'cyber terrorism' and 'cyber warfare'.

(b) How is smart card different from credit card?

(c) Differentiate between direct and indirect cyberstalking.

(d) Mention the services provided by Secure Electronic Transaction (SET).

3. Answer any *three* of the following questions : 6×3=18

(a) *(i)* How do electronic auctions (e-auctions) take place? Write the benefits of e-auctions from the point of view of buyers and sellers.

(ii) What are the differences between twisted-pair and co-axial cable? Write the advantages of optical fiber cable. 3+3=6

(b) *(i)* What is the Information Technology Act, 2000? What is the main motive of this Act?

(ii) Define the terms 'hacking' and 'cyber vandalism'. 3+3=6

(c) *(i)* What is Uniform Resource Locator (URL)? Taking an example of a URL, mention the various parts of that URL.

(ii) Define the terms 'uplink' and 'downlink' with respect to a communication satellite. 3+3=6

(d) *(i)* Why is digital signature required?

(ii) How is e-commerce different from traditional commerce? 3+3=6

4. Answer any *four* of the following questions : 10×4=40

(a) What is software piracy? Briefly discuss the six basic forms of software piracy.

(b) What is the main purpose of online catalogues? List any three advantages of electronic catalogues. Discuss briefly the B2C business models.

(c) Define cryptography. What are the roles of key in cryptography? Explain the public-key encryption mechanism.

(d) Explain the various categories of e-commerce with suitable example.

(e) What is web application architecture? Discuss the two types of architectures available for designing web-based applications.

★ ★ ★