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## 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:

 $10 \times 1 = 10$ 

- 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.

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Turn over

iti)	There are type models.	s of	Business Transaction
	a) one	b)	two
	c) three	d)	four.
iv)	Which one of the following messaging?	ng is	a protocol for secure
•	a) PGP	<b>b</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 su	b-system of
	a) Sales & Distribution		
	b) Finance		
	c) Quality Management		
	d) None of these.	• .	
vii)	In RSA algorithm	. nui	nbers are involved.
	a) odd	b)	even
	c) prime	<b>d</b> )	All of these.
viii)	The e-cash is generally computer in the form of an		red in the customer's
	a) e-chain	<b>b</b> )	e-money
	c) e-wallet	d)	none of these.
ix)	E-business S/W is best def	ined	to manage
	a) buyer applications	<b>b</b> )	seller applications
	c) all of these	d)	none of these.
x)	occurs when	on	e business transmits
	computer-readable data in		
	business.		
	a) EFT	b)	VAN
	c) EDI	d)	LAN.

 $3 \times 5 = 15$ 

#### GROUP - B

## (Short Answer Type Questions)

Answer any three of the following.

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?
- 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.  $3 \times 15 = 45$ 

- 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

2.

- 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:
- $3 \times 5$

- a) Software piracy
- b) Call centre
- c) SCE framework
- d) Message Digest
- e) Intrusion Detection System.