Name :	•••••	•••••••••••••••••			
Roll No	. :		••••		
Invigila	tor's	Signature :			
		CS/B.TECH(CSE)/SEM-	8/CS-801E/2010		
		2010			
		E-COMMERCE AND E	RP		
Time Al	lotte	d: 3 Hours	Full Marks: 70		
		he figures in the margin indicate fu			
Canau	aates	are required to give their answers as far as practicable.	in their own words		
		ao jar ao praeticanie,			
		GROUP - A			
		( Multiple Choice Type Questi	one l		
i. Ch	oose	the correct alternatives for the fol	lowing:		
			$10\times1=10$		
(t	Syn	mmetric 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	er en		
	c)	Quality Management			
	d)	none of these.			

Turn over

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<b>ііі)</b>	There are ty models.	pes of	Business Transaction		
	a) one	<b>b</b> )	two		
	c) three	d)	four.		
iv)			a protocol for secure		
17,	messaging?				
	a) PGP	<b>b</b> )	PEM		
	c) S/MIME	d)	All of these.		
v)	i Gov. com is an example				
	a) B2B	<b>b</b> )	B2C		
	c) B2G	d)	C2B.		
vi)	Investment management				
1 7	a) Sales & Distribution				
	b) Finance				
	c) Quality Managemen	ıt			
	d) None of these.				
vii)	In RSA algorithm	nu	mbers are involved.		
	a) odd	<b>b</b> )	even		
	c) prime	<b>d</b> )	All of these.		
viii)	The e-cash is generally stored in the custom computer in the form of an				
e sylves Garage	a) e-chain	<b>b</b> )	e-money		
	c) e-wallet	d)	none of these.		
ix)	E-business S/W is best defined to manage				
	a) buyer applications	<b>b</b> )	seller applications		
	c) all of these	d)	none of these.		
x)			e business transmits		
<i>1</i> .4	computer-readable data in a standard format to another				
	business.				
	a) EFT	b)	VAN		

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### GROUP - B

## (Short Answer Type Questions)

Answer any three of the following.  $3 \times 5 = 15$ Describe the impact of EDI on the Supply Chain

3. What is supplier centric B2B electronic commerce?

Management of a manufacturing plant.

- 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

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[ Turn over

# CS/B.TECH(CSE)/SEM-8/CS-801E/2010

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

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