## [30]

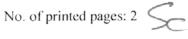
#### SARDAR PATEL UNIVERSITY

## M.Sc. (Information Technology)

## Semester – I External Examinations

# PS01CINT01: Introduction to Information Science 2<sup>nd</sup> April, 2016

ne	e: 10:30 AM to 1:30 PM	Max. Mark	: '
	Choose the most appropriate option for each question.		[3
	is a collection of facts organized in such a way the	at they have	
	additional value beyond the value of the facts themselves.		
	A) Information		
	B) Data		
	C) Information system		
	D) Programme		
•	reduces the number of bits sent.		
	A) Data compression		
	B) Authentication		
	C) Data parsing		
	D) None of these		
	E-Business using wireless devices with Internet access is also know	n as	
	A) Internet business		
	B) M-business		
	C) Supply chain management D) None of these		
	A communication protocol used to secure all sensitive data is		
	A) Digital certificate	•	
	B) Electronic wallet		
	C) HTTP		
	D) Secure Socket Layer [SSL]		
	Physical addressing and framing are responsibilities of		
	A) Data link layer		
	B) Transport layer		
	C) Session layer		
	D) Application layer		
	FTP uses two TCP connections in which the well-known port		
	is used for the control connection.		
	A) 20		
	B) 21		
	C) 80		
	D) None of these		
	In type of error two or more bits in the data unit get c	hanged.	
	A) Single-bit		
	B) Burst		
	C) Run-time		
	D) Compile-time		
	In communication mode, only one of the tw	o devices on	
	link can transmit; the other can only receive.		
	A) Full Duplex		
	B) Simplex		
	C) Half Duplex		
	D) None of these		



## [30]

## SARDAR PATEL UNIVERSITY

### M.Sc. (Information Technology)

### Semester - I External Examinations

PS01CINT01: Introduction to Information Science 2<sup>nd</sup> April, 2016

Time:	: 10:30 AM to 1:30 PM	Max. Marks: 70
Q1.	Choose the most appropriate option for each question.	[8]
1.	is a collection of facts organized in such a way	that they have
	additional value beyond the value of the facts themselves.	
	A) Information	
	B) Data	
	C) Information system	
	D) Programme	
2.	reduces the number of bits sent.	
	A) Data compression	
	B) Authentication	
	C) Data parsing	
	D) None of these	
3.	E-Business using wireless devices with Internet access is also know	wn as
	A) Internet business	
	B) M-business	
	C) Supply chain management	
4	D) None of these A communication protocol used to secure all sensitive data is	
4.	A) Digital certificate	•
	B) Electronic wallet	
	C) HTTP	
	D) Secure Socket Layer [SSL]	
5.	Physical addressing and framing are responsibilities of	
	A) Data link layer	
	B) Transport layer	
	C) Session layer	
	D) Application layer	
6.	FTP uses two TCP connections in which the well-known port	
	is used for the control connection.	
	A) 20	
	B) 21	
	C) 80	
	D) None of these	
7.	In type of error two or more bits in the data unit get	changed.
	A) Single-bit	
	B) Burst	
	C) Run-time	
	D) Compile-time	
8.	In communication mode, only one of the tr	wo devices on
	link can transmit; the other can only receive.	
	A) Full Duplex	
	B) Simplex	
	C) Half Duplex	
	D) None of these	

Q2.	Answer the following questions (Any Seven):	[14]
	<ul> <li>a. What do you mean by OLTP? Give an example.</li> </ul>	
	b. Explain in brief: (i) Authentication and (ii) Digital signature.	
	<ul> <li>c. Distinguish between Static Web Page and Dynamic Web page.</li> </ul>	
	d. What is an electronic wallet?	
	e. List advantages and disadvantages of Fiber Optics.	
	f. What is the function of MIME?	
	g. Discuss different categories of E-commerce.	
	h. Discuss Decision Support System in brief.	
	i. Distinguish between efficiency and effectiveness.	
	i. Distinguish between emercing and effectiveness.	
Q3.	A) Define Information. Explain the Characteristics of Valuable Information.	[6]
ŲJ.	B) Define TPS. Write a short note on Management Information System.	[6]
	OR	1.1
	B) What is Encryption? Explain Bit Level Encryption method.	[6]
	b) What is Energiated. Explain the Better Energy Priori medical	(*)
Q4.	A) Explain multistage model of E-Commerce.	[6]
<b>~</b>	B) Write a short note on Supply Chain Management.	[6]
	OR	( - )
	B) Write a short note on Data Compression.	[6]
	With a short note on Data Compression.	(~)
Q5.	A) Discuss in detail about twisted pair cable.	[6]
ζ.,	B) Discuss File Transfer Protocol in detail.	[6]
	OR	[-1
	B) Explain HTTP protocol in detail.	[6]
	b) Explain III II protocol in detail.	[0]
Q6.	A) Define Bit rate and Bit length.	[6]
Qu.	Differentiate between (i) Analog data and Digital data (ii) Analog signal	[-1
	and Digital signal.	
	B) Discuss Electronic Payment Systems in detail.	[6]
	OR	[v]
		[6]
	B) Explain ANY TWO techniques of Analog-to-Analog conversion.	[6]

### XXXXX