## PU Ph D Banking Technology

1.0	f 100
	PU_146-I_New
The	maximum internal clock of 8085A is:-
	3.03 MHz
	5 MHz
0	6 MHz
	8.5 MHz
126 A c	f 100 PU_2015_146-I complete binary tree with property that the value at each node is at least as large as the values at its dren is called:-
	Неар
	binary search tree
	AVL tree
	completely balanced tree
174 Usinitem	f 100 PU_146-I_New ng Binary Search technique, what is the maximum number of comparisons needed for a searching an in an array consisting of 215 elements?  9 215 8 108
163	f 100 PU_146-I_New class of context free language is not closed under:-
	Repeated concatenation
	Intersection
	Union
	Concatenation
208	f 100 PU_146-I_New ich is used to implement the lists of elements have a natural order?  Trees
	Binary Tree

	Hash Functions Hash Tables
164	F 100 PU_146-I_New at is meaning for yellow page in directory services?
	The ability to perform name-to-different-name mappings
	The ability to perform lookups based on object attributes
	The ability to map a single name into a set of names
	The ability to perform straightforward name-to-entry lookups
144	F 100 PU_146-I_New 8279 require an internal clock frequency of:- 100 KHZ 25 KHZ 50 KHZ
100	PU_2015_146-I operation which is commutative but not associative is:- NAND AND OR EX-OR
155	PU_2015_146-I n incompletely specified automata:- from any given state, there can't be any token leading to two different states some states have no transition on some tokens no edge should be labelled epsilon start state may not be there
10 (	of 100
216 WiN	PU_146-I_New lax is:-
	Wireless Maximization
	Worldwide Interoperability for Microwave Access

	Wileless Mac extension
	Wireless Media access eXtension
14 P	1 of 100 48 PU_146-I_New age stealing:-
	Is taking page frames from other working sets
	Is a sign of efficient system
	Is taking page frames from other memories
	Is taking larger disk spaces for pages paged out
18 W	DNS
	Telnet
1 C g	9, 5, 6 7, 5, 8
18	Bat file  Exe file
2	5 of 100 13 PU_146-I_New a directed graph, edges are called as:- Nodes

0	Degree
0	Sub-graph
0	Arc
	of 100 PU_146-I_New
An	attribute whose value can be calculated from related attribute values is a:-
	Multivalued attribute
	Derived attribute
	Base attribute
	Stored attribute
17	of 100
212	PU_146-I_New
in G	Graph Terminology, the network may also be termed as:-
	Two-way graph
	Complete graph
	Directed graph
	Weighted graph
	of 100
	PU_2015_146-I ch cell of a static Random Access Memory contains:-
	6 MOS transistors
	Two 2-input NORs and One X-NOR gate
	4 MOS transistors and 2 capacitors
0	XOR gates and shift registers
4.0	
	of 100 PU_2015_146-I
The	addressing mode used in an instruction of the form ADD X,Y is:-
	immediate
0	absolute
	index
	indirect
20	of 400

105 PU\_2015\_146-I How many 3 to 8 line decoders with an enable input are needed to construct a 6 to 64 line decoder without using any other logic gates?

	10
	9
	7
185 Wh	of 100 5 PU_146-I_New ich of the following contains complete record of all the activities that affected the contents of a abase during a certain period of time?  SQL 4 GL  Oracle d-Base
123 Min	1
153	of 100 B PU_146-I_New ich one can be preferably used when a choice among several alternatives must be made? While condition Case statements If statements Until statement
146	of 100 5 PU_2015_146-I entory is also referred as  Machine readable badges  Machine readable badges and Electronic Smart Cards  Data mining
	Electronic smart cards

	PU_146-I_New eferential Integrity requires that:-
0	Every primary key value will have a matching foreign key value in another table or tables
0	Every foreign key value has a matching primary key value in another table or tables, or is null
	No attributes have a null value
	No attributes have null value and foreign key is duplicated
139	PU_146-I_New elational database design, a weak entity type is:-  Ignored and left as it is  Converted to tables by using the key attribute of the strong entity type as the key of the new table.  Converted to tables by using the combination foreign key and its own key
	Converted to tables by using some combination of its own attributes as primary key
132	of 100 PU_2015_146-I prithm which solves the all-pair shortest path problem is:- Prim's algorithm Floyd's algorithm Dijkstra's algorithm Warshall's algorithm
102	PU_2015_146-I time required for a pulse to decrease from 90 to 10 percent of its maximum value is called:- binary level transition period decay time rise time propagation delay
211	of 100 PU_2015_146-I Ich of the following is not a type of function? injective mapping constant mapping variable mapping
0	bijective mapping

PU_146-I_New tic variables are sometimes called:-
Dynamic variables
Functional variables
Auto variables
Class variables
PU_146-I_New enetwork traffic can be reduced by:- Resending the missed packets Total file transfer Query response method Monitoring
PU_2015_146-I model which estimates the total effort in terms of person, months of the technical project:- prototyping model COCOMO model spiral model waterfall model
PU_146-I_New ich can be viewed as example(s) of concurrent processing?  Overriding Interleaving Overlapping Interleaving and Overlapping
PU_2015_146-I uming $P \neq NP$ , which of the following is TRUE?  NP-hard = NP  NP-complete $\cap P = \Phi$ NP-complete = NP $P = NP$ -complete

S PU_2015_146-I gister renaming is done in pipelined processors:-
for efficient access to function parameters and local variables
as an alternative to register allocation at compile time
to handle certain kinds of hazards
as part of address translation
of 100 9 PU_2015_146-I asic instruction that can be interpreted by a computer generally has:-
an address and decoder
an operand and an address
a decoder and an accumulator
sequence register and decoder
of 100 PU_146-I_New sequence is to be imposed on the storage of records in:-
Indexed sequential file organization
Indexed file organization
Sequential file organization
Relative file organization
of 100 PU_2015_146-I complier, keywords of a language are recognized during:-
dataflow analysis
parsing of the program
the lexical analysis of the program
the code generation
of 100  PU_2015_146-I  e recurrence relation that arises in relation with the complexity of binary search is:- (Where K is a stant)
$T(n) = T(n/2) + \log n$
T(n) = T(n/2) + n
T(n) = T(n/2) + K
T(n) = 2T (n/2) + K

137	of 100 PU_2015_146-I at ability does a computer require in order to pass the standard Turing Test?
	Reasoning
	Computing
	Manipulation of objects
0	Vision
189 Whi data C C 42 0 118	PU_146-I_New ch of the following is necessary to preserve the interrelationships between the relations in a labase?  Domain integrity  Referential integrity  Entity integrity  Required data  of 100  PU_2015_146-I function sprintf() works like printf(), but operates on:-  stderr  string  stdin  data in a file
141	PU_2015_146-I ision support programs are designed to help managers make:- visual presentations business decisions problem formation budget projections
190 Whe	of 100 PU_2015_146-I en a DNS server accepts and uses incorrect information from a host that has no authority giving that rmation, then it is called:- DNS hijacking DNS session hijacking DNS lookup

	DNS spoofing
158 Wh	of 100 5 PU_146-I_New ich is the odd in the following?
	Linked list model
	Relational model
	Network model
	Hierarchical model
120	of 100 PU_2015_146-I action templates:- may have more than one parameter as long as they are of the same type may not have parameters must have exactly one parameter may have more than one parameters
150	of 100 PU_146-I_New Semaphores, Special variable of Primitive Signal(s) is/are used:- To communicate a signal To interact a signal To transmit a signal To receive a signal
133 An	of 100 5 PU_2015_146-I element in an array X is called a leader if it is greater than all elements to the right of it in X. The best orithm to find all leaders in an array:-
	solves it in time O (n <sup>2</sup> )
	solves it using divide and conquer in time O(n log n)
	solves it in linear time using a right to left pass of the array
	solves it in linear time using a left to right pass of the array
49 of 100 159 PU_146-I_New A relational database which is in 3NF may still have undesirable data redundancy because there may exist:-	
	Non-trivial functional dependencies involving attributes other than prime attributes
	Non-trivial functional dependencies involving only prime attributes

	Non-trivial functional dependencies involving all attributes
	Transitive functional dependencies
142 A te	of 100 PU_146-I_New echnique used to present an image with different intensity values on a display with limited range of out values is called as:-
	Controlled Display Technique
	Retracing Technique
	Sampling Technique
	Halftoning Technique
204	of 100 PU_2015_146-I main difference between JK and RS flip-flop is that:-  JK flip-flop accepts both inputs as 1
	JK flip does not need a clock pulse
	JK flip-flop is Junction cathode multi-vibrator
	there is feedback in JK flip-flop
104	of 100 PU_2015_146-I ich of the following 4-bit combination are invalid in the BCD code?  0101 1010 0010 1000
128 Wh	of 100 PU_2015_146-I ich combination of the integer variables x, y and z makes the variable a get the value 4 in the following ression?
	(x>y) ? $((x>z)$ ? $x : z)$ : $((y>z)$ ? $y : z)x = 6$ , $y = 5$ , $z = 3x = 3$ , $y = 4$ , $z = 2x = 5$ , $y = 4$ , $z = 5x = 6$ , $y = 3$ , $z = 5$
137	of 100 PU_146-I_New ical Data Independence is the one in which the following is applicable?

	Query program changes without altering the base table structure
	Alterations to data structures with changes only to affected user access programs
	Multiple primary keys to be utilized
	Relocation of data without interruption to users
136	of 100 5 PU_146-I_New database is used by multiple users within an organization, it is a kind of:-
	Segment database
	Shared database
	Network database
9	Multi database
140 Wh	of 100 PU_146-I_New ich of the following statement is not true with Windows NT security architecture?
	Delimited password authentication
	Secure channel security services
	Windows NT NTLM authentication protocol
	Kerberos version 5 authentication protocol
196 Wh	of 100 5 PU_2015_146-I ich of the following objects can be used in expressions and scriplets in JSP (Java Server Pages) nout explicitly declaring them? session and request only
0	
0	response and session only
	request and response only session, request and response
167 Boo	of 100 PU_2015_146-I ot strap or vector is called:-
	primary program
	main program
	secondary program
	grappling hook program
	of 100 PU_146-I_New

A pa	arity check usually can detect:-
	Three bit error
	Double bit error
	Any bit error
0	One bit error
151	PU_146-I_New real time operating system is mainly concentrate on its:-  Waiting time  Latency time  Response time  Processing time
243	of 100 PU_146-I_New technique of using multiple routes between a single pair of nodes is called
	Bifurcated Routing
	Centralized Routing
	Isolated Routing
0	Shortest path routing
232	of 100 PU_146-I_New ch of the following data structures are not commonly used in representing graphs? Adjacency lists
	Adjacency Matrices
	Arrays
	Adjacent Stacks
223 Fixe	of 100 PU_2015_146-I ed partitions:-
	are very inefficient in memory utilization
	are very efficient in memory utilization
0	are most used on large mainframe operating systems
0	are very common in current operating systems
	of 100 PU_146-I_New

CO	SE refers:-
	Common Operating System Environment
	Calculation Of Single Equation
	Component Oriented Software Engineering
	Cost Of Software Enrichment
256 Whi	PU_2015_146-I ich of the following statements is false?  Every non-deterministic Turin machine can be converted to an equivalent deterministic Turing chine  Every NFA can be converted to an equivalent DFA  Every regular language is also a context-free language  Every subset of a recursively enumerable set is recursive
252 We	PU_2015_146-I have a binary heap on n elements and wish to insert n more elements (not necessarily one after ther) into this heap. Total time required for this is:- $\Theta(n \log n)$ $\Theta(n^2)$ $\Theta(\log n)$ $\Theta(\log n)$
229	PU_2015_146-I jan-Horse programs:- really do not usually work are legitimate programs that allow unauthorized access are hacker programs that do not show up on the system usually are immediately discovered
248	of 100 PU_2015_146-I order of an algorithm that finds whether a given Boolean function of 'n' variables, produces a 1 is:- linear exponential logarithmic constant

228	of 100 PU_146-I_New
RIS	C stands for:-
	Repeated Information Stored Computer
	Reduced Information Set Computer
	Reduced Instruction Set Computer
	Random Information Secured Computer
224 Mul	of 100 PU_146-I_New tiprogramming means:-
	There is more than one processor
	There are multiple processor and multiple processes
	There is only one processor but can be multiple processes running
	There is only one processor that processes only one job at a time
248 Wha	PU_146-I_New at is the order of Popping an item of a stack containing 'n' items? $O(n)$ $O(1)$ $O(2^n)$ $O(\text{Log } n_2)$
237	PU_146-I_New en considering database usability issues, what does information density refer to? The amount of data appearing on the screen Prompts or text boxes with reminders or alerts The type of relationship between two entities Information enabling the user to identify their location in the database
244	PU_146-I_New ch switching statically reserves the required bandwidth in advance?  Circuit switching
	Packet Switching
	Mixed Switching
	•
_	Hybrid Switching

226	of 100 PU_2015_146-I
Adv	rantages of COM are:-
	compact size, speed
	low cost, readability
	compact size, readability
	readability size, speed
235 Who the:	of 100 PU_2015_146-I en a subroutine is called, then address of the instruction following the CAL instruction is stored in/on -
	Program Counter
	Accumulator
	Stack
	Stack pointer
76 of 100 231 PU_2015_146-I Protection against computer viruses is:-	
	purchasing up-opened software from vendors
	prevention
	avoiding free or pirated copies from public sources
	practice of safe computing
77 of 100 253 PU_146-I_New CORBA is abbreviated as:-	
	Common Object Request Broker Architecture
	Common Object Related Broker Architecture
	Complementary Object Related Broker Architecture
	Clustered Object Request Broker Architecture
244 Wh	of 100 PU_2015_146-I en a variable of data type double is converted into float, then:-
	the lower order bits are dropped
	truncation takes place
	rounding takes place
	the higher order bits are dropped

239	of 100 PU_2015_146-I ial access memories are useful in applications where:-
	data consists of numbers
	data naturally needs to flow in and out in serial form
	each stored word is processed differently
	short access time is required
239	of 100 PU_146-I_New hicroprocessor understand only:- Binary Code Hexa Decimal Code Mnemonic Codes Decimal Codes
81 of 100 271 PU_2015_146-I Entity set TRANSACTION has the attributes transaction number, date, amount. Entity set ACCOUNT has the attributes account number, customer name, balance. Discriminate week entity is:-	
	date
	account number
	transaction number
	{account number, date}
276	of 100 i PU_2015_146-I ich of the following statements is true when structure of database file with 20 records is modified?
	?BOF() Prints T
	?BOF() Prints F
	?EOF() Prints F
	? EOF() Prints T
263	of 100 BPU_146-I_New ich one of the following cannot be used as a middleware?  TCP/IP
	TCP UDP
	UDF

	RPC
288 Sup both	of 100 PU_2015_146-I pose computers A and B have IP addresses 10.105.1.113 and 10.105.1.91 respectively and they a use the same netmask N. Which of the values of N given below should not be used if A and B and belong to the same network?
	255.255.255.0
	255.255.255.128
	255.255.254
	255.255.255.192
284 On a	of 100 PU_2015_146-I an average, the programmer months is given by 3.6 x (KLOC) <sup>1.2</sup> . If so, a project requiring one usand source instructions will require:-
	0.0036 M
	3.6 PM
	7.23 PM
	0.36 PM
293	of 100 PU_146-I_New ery practical way to maintain a dictionary is using:-
	Hash Functions
	Binary tree
	Trees
	Hash Tables
271	of 100 PU_146-I_New gmentation occurs in the case of:-
	Linked allocation
	Discrete allocation
	Contiguous allocation
	Indexed allocation
261	PU_146-I_New er is a:- Waiting time

	Speed of light transit time
	Variation in the packet arrival time
	Transmission delay
265	of 100 5 PU_146-I_New Performance of the pure Slotted Aloha protocol is:-  Between 31% to 40%
	Less than 20 %
	Between 21% to 30%
	Between 41% to 50%
267 Wh	of 100 'PU_2015_146-I ich of the following statement is true?
	the parsers SLR, Canonical LR and LALR have the same power
	SLR parser is more powerful than LALR
	LALR parser is more powerful than Canonical LR parser
	Canonical LR parser is more powerful than LALR parser
262	of 100 PPU_2015_146-I defining language for developing a formalism in which language definitions can be stated, is called: syntactic meta language
	intermediate language
	decidable language
	high level language
279	of 100  PU_146-I_New ich of the following agrees with the Virtual memory concept?
	Page conversion is not possible.
	Reduces the performance of the system.
	Memory transaction may be very fast.
	The process size can exceed total memory size and can still be executed.

280 PU\_2015\_146-I
Which of the following concurrency control protocols ensure both conflict serializability and freedom from deadlock?

-phase locking Fime-stamp ordering
Both I and II
Neither I nor II
I only
II only
of 100 5 PU_146-I_New y does administrator shuffle files?  Provide integrity  Provide disk space to system  Provide disk space to user  Provide security
of 100 B PU_2015_146-I e method of programming a computer to exhibit human intelligence is called modelling or : psychic amelioration cognitization duplication simulation
of 100 7 PU_146-I_New ay trees are also called as:- Self-Adjusting search tree Self-adjusting sort tree Adjusting sort tree Adjusting search tree
of 100 7 PU_146-I_New ich one of the following is a first public data network?  Token ring  Frame Relay  X.25  ATM

For a M	a 1-Gbps network operating over 4000km, the delay is the limiting factor, not the bandwidth. Consider AN with the average source and destination 20 km apart. At what data rate does the round-trip delay to the speed of light equal the transmission delay for a 1 KB packet?
0	40 Mbps 48 Mbps
0	36 Mbps 24 Mbps
296 Whi	of 100 PU_2015_146-I ch is not a part of digital certificate?
	Public key  Name
	Certification Authority  Revocation center location URL
281	O of 100 PU_146-I_New 2 is the standard file system of:-
	Windows Linux Unix
	OTIIX

292 PU\_2015\_146-I