

OCTOBER

NK 44th - 303-063



2 0 2 4

TUESDAY

29

JFCA

- 1) Rom is a sequential circuit
  - 2) A computer with a 32 bit wide data bus uses 4Kx8 static Ram memory chips  
The smallest memory this computer is → 16KB
  - 3) Relational calculus is a Non procedural language
  - 4) Default constructor require 0 parameters
  - 5) The keyword friend does not appear in the class desiring access to another class
  - 6) The small extremely fast Rams are termed as → cache
  - 7) The store and forward mechanism is used in → message switching
  - 8) The maximum number of level 2 DFD
- Possible if the process in level 1 DFD?

F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30

→ (n)

NOV  
2024

2 0 2 4

NOVEMBER

01

FRIDAY

WK 44th • 306-060

- 09.00 q) k-means clustering method is an example of which type of clustering method? Ans → Partitioning
- 10.00 10) How can you display a list of all files including hidden files
- 11.00 → 13-a
- 12.00 11) C keyword is used to extend the visibility of variables → extern
- 13.00 12) Regression → Supervised learning
- 14.00 13) Third normal form should not have transitive dependency.
- 15.00 14) RSA is an asymmetric key cryptographic algorithm.
- 16.00 15) Confusion Matrix → To evaluate the performance of a classification Model.

NOV	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S						
2024	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30

NOVEMBER

2 0 2 4

02

SATURDAY

- 16) What is DMA & transfers the required signals and addresses are given by the DMA Controllers.
- 17) static member functions can't use polymorphism.
- 18) Blackbox testing → Be tester does not know the internal design of the software application
- 19) Coupling is a measure of degree of interdependence between module
- 20) chgrp changes files group owner
- 21) The permission -rwxr--r-- represent in octal expression will be → 741
- 22) Polymorphism feature is shown by function overriding
- 23) K-means clustering is example of Partitioning.

SUNDAY 03

NOVEMBER												DECEMBER																			
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T								
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	2024

NOVEMBER

2 0 2 4

04

MONDAY

WK 45th - 30.9.2024

- 09:00 24) the store and forward mechanism is used in → Message switching.
- 10:00 25) lowest best complexity → bubble sort
- 11:00 26) UPDATE is not a DDL Command.
- 12:00 27) static Ram is faster than dynamic RAM
- 13:00 28) Unit testing is not a security testing
- 14:00 29) The number of possible binary trees with 4 nodes is → 14
- 15:00 30) Priority algorithms can lead to starvation
- 16:00 31) The proposition  $P \wedge (\neg P \vee Q)$  is → a tautology
- 17:00 32) The maximum number of edges in a simple undirected graph with vertices →  $\frac{n(n-1)}{2}$
- 33) The number of distinct simple graphs with up to three nodes → 9

NOV		S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S								
2024		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30

NOVEMBER

2 0 2 4

05  
TUESDAY

110-310-056

34) lossless join decomposition

→ B  $\langle \text{span class} = "math-inline" \rangle C$ , A  $\langle \text{span class} = "math-inline" \rangle \langle \text{span} \rangle CD$

35) The time complexity of inserting a note at the end of a linked list is  
→  $O(n)$

36) The number of flipflops required to construct a decade counter is → 4

37) XOR addressing is an Addressing Mode.

38) DELETE use to deleting data in SQL

39) White box testing is not a type of testing

40) Non Relational database → MongoDB

41) Array is used to implementing a stack

42) Array is fixed in size

43) Linked list is dynamic in size

44) The number of page faults that occurs in Optimal page Replacement Algorithm.

S	M	T	W	T	F	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	DEC								
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	2024

PS → Minimum

2 0 2 4

NOVEMBER

06

WEDNESDAY

WK 45th • 311-053

- 09.00 45) Personal Area network is not a computer Network
- 10.00 46) Ergonomics is not a cyber attack
- 11.00 47) Cloud computing service → IaaS
- 12.00 48) Firefox is not a search engine
- 13.00 ~~49)~~ AUAT MCA
- 14.00 50) Ternary Operator in C → ?:
- 15.00 51) 1 KB → 1024 byte
- 16.00 52) Ubuntu is not a programming language
- 17.00 53) GUI → Graphical user Interface
- 18.00 54) IPv6 address → 128 bit
- 55) LAN → Local Area Network
- 56) SMTP network protocol is used to send Mail
- 57) OOP → JAVA, C++
- 58) Time complexity → Number of basic

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ENGG. 312-054

THURSDAY

07

Operation performed by an algorithm

10) Computer Virus is a  $\rightarrow$  Freeware

11) Input of 4-input Nand Gate

$\rightarrow$  16

12) Decimal value of  $(112)_8$ ; Sub  $> 8$  & H; / Sub?

$\rightarrow$  202

13) Universal gate  $\rightarrow$  NOR, NAND

14) Addition of 10101 + 01001

$\rightarrow$  111100

15) Railway Truck  $\rightarrow$  Full Duplex

16) 1011011 is two's complement of -10100101

17) flip-flop  $\rightarrow$  store only one bit  
digital circuit

18) One Nibble  $\rightarrow$  4 bits

19) QSB  $\rightarrow$  Universal Serial Bus

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NOVEMBER

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08

FRIDAY

WK 45th • 313-053

- 09.00 20) 9 bit needed to store one BCD Digit.
- 10.00 21) ABCDEF Hexadecimal  $\Rightarrow$  11259379
- 11.00 22) In dos the maximum length of filename is  $\rightarrow$  8
- 12.00 23) Is not sequential storage  $\rightarrow$  Hard disk, DVD, Magnetic disk.
- 14.00 24) In computer science, stack is a DS which follows  $\rightarrow$  First in First out
- 16.00 25) ADT  $\rightarrow$  Abstract ~~and~~ Data type
- 17.00 26) Quick sort algo  $\rightarrow$  Divide and conquer
- 18.00 27) Max degree of any vertex in a simple graph of vertices n is  $\rightarrow$  n-1
- 28) Project scheduling is a example of  $\rightarrow$  Dynamic programming
- 29) Non-Linear data structure  $\rightarrow$  Graph
- 30) Internal sort  $\rightarrow$  Merge sort

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