

Subject: Computer Science Section-A
Set Name: V2_SET3
Code: 308
Exam Date: 18-04-2026
SLOT: 1

Question ID

264985

Question Type

MCQ

Question

Match **List-I** with **List-II**

List-I	List-II
(A) Data Inconsistency	(I) Design of Database
(B) Meta Data	(II) Same data at different places
(C) Database schema	(III) Data about the data
(D) Data redundancy	(IV) Same data maintained at different place do not match

Choose the **correct** answer from the options given below:

1. (A) - (II), (B) - (I), (C) - (III), (D) - (IV)
2. (A) - (IV), (B) - (III), (C) - (I), (D) - (II)
3. (A) - (II), (B) - (III), (C) - (I), (D) - (IV)
4. (A) - (IV), (B) - (I), (C) - (III), (D) - (II)

Options

A

1

B

2

C

3

D

4

Question ID

264988

Question Type

MCQ

Question

Which of the following is NOT the limitation of file system?

1. Data Isolation
2. Data Redundancy
3. Data Consistency
4. Data Inconsistency

Options

A

1

B

2

C

3

D

4

Question ID

264990

Question Type

MCQ

Question

Which of the following is NOT a key in relational database?

1. ALTERNATE KEY
2. CANDIDATE KEY
3. ALIEN KEY
4. FOREIGN KEY

Options

A

1

B	2
C	3
D	4

Question ID	264993
Question Type	MCQ
Question	What will be the SQL statement to display the part of attribute EMAIL, before '@' character, from the USER table? 1. SELECT LEFT(EMAIL, "@") FROM USER; 2. SELECT INSTR(EMAIL, "@") FROM USER; 3. SELECT LEFT(EMAIL,INSTR(EMAIL, "@") - 1) FROM USER; 4. SELECT LEFT(EMAIL,INSTR(EMAIL, "@") + 1) FROM USER;
Options	
A	1
B	2
C	3
D	4

Question ID	264997
Question Type	MCQ
Question	Which of the following statements are CORRECT? (A) CREATE command is part of Data Definition Language. (B) INSERT command is part of Data Definition Language. (C) DROP command is part of Data Manipulation Language. (D) DELETE command is part of Data Definition Language. (E) ALTER command is part of Data Definition Language. Choose the correct answer from the options given below: 1. (A) and (B) only 2. (B) and (C) only 3. (A) and (E) only 4. (C) and (D) only
Options	
A	1
B	2
C	3
D	4

Question ID	264999
Question Type	MCQ
Question	Which of the following SQL Query is correct if one wants to select name of all employees containing 'a' as the second character from 'EMPLOYEE' table ? 1. SELECT NAME FROM EMPLOYEE WHERE NAME LIKE '%a'; 2. SELECT NAME FROM EMPLOYEE WHERE NAME LIKE '_a'; 3. SELECT NAME FROM EMPLOYEE WHERE NAME LIKE '_a%'; 4. SELECT NAME FROM EMPLOYEE WHERE NAME LIKE '%a%';
Options	
A	1
B	2
C	3
D	4

Question ID	265002
Question Type	MCQ
Question	What will be the SQL statements to display month name and day of joining(DOJ) from USER table when day of joining (DOJ) is not SUNDAY? 1. SELECT MONTH(DOJ) FROM USER WHERE DOJ! = 'SUNDAY'; 2. SELECT MONTH(DOJ), DAY(DOJ) FROM USER WHERE DAY(DOJ)! = 'SUNDAY'; 3. SELECT MONTHNAME(DOJ), DAYNAME(DOJ) FROM USER WHERE DAYNAME(DOJ)! = 'SUNDAY'; 4. SELECT MONTHNAME(DOJ), DAYNAME(DOJ) FROM USER WHERE DAY(DOJ)! = 'SUNDAY';
Options	
A	1
B	2
C	3
D	4

Question ID	265005
Question Type	MCQ
Question	Which one of the following is not true? 1. Modulator converts digital data into analog signal. 2. Modulator converts analog signal into digital data. 3. Demodulator converts analog signals into digital data. 4. Modem at the sender end acts as a modulator.
Options	
A	1
B	2
C	3
D	4

Question ID	265006
Question Type	MCQ
Question	To build a fully-connected mesh topology of 10 nodes, _____ wires are required. 1. 10 2. 11 3. 45 4. 55
Options	
A	1
B	2
C	3
D	4

Question ID	265010
Question Type	MCQ
Question	Arrange the following mile stones in the order of earliest to latest, on the basis of their implementation year. (A) DNS (Domain Name System) (B) ARPANET (C) Wi-Fi (D) www (E) Email Choose the correct answer from the options given below:

- | | |
|----------------|----------------------------|
| | 1. (D), (E), (A), (B), (C) |
| | 2. (B), (A), (E), (D), (C) |
| | 3. (B), (E), (A), (D), (C) |
| | 4. (B), (D), (A), (E), (C) |
| Options | |
| A | 1 |
| B | 2 |
| C | 3 |
| D | 4 |

Subject: Computer Science Section-B
Set Name: V2_SET3
Code: 308
Exam Date: 18-04-2026
SLOT: 1

Question ID	264984
Question Type	MCQ
Question	Which of the following statements are correct. (A) In circuit switching, before a communication starts a dedicated path is identified between the sender and the receiver. (B) In packet switching different packets of the same message may take different routes. (C) In circuit switching all packets follow different paths established during the connection. (D) In earlier days of telephone, placing a telephone call was an example of packet switching. Choose the correct answer from the options given below: 1. (A) and (B) only 2. (B) and (C) only 3. (C) and (D) only 4. (A) and (D) only
Options	
A	1
B	2
C	3
D	4

Question ID	264987
Question Type	MCQ
Question	Arrange the following steps of Exception Handling in correct order of execution. (A) Exception is raised. (B) Runtime system searches for exception handler. (C) An error occur in method. (D) Create Exception object (E) Program Terminate. Choose the correct answer from the options given below: 1. (C), (A), (B), (D), (E) 2. (C), (D), (A), (B), (E) 3. (C), (D), (B), (A), (E) 4. (C), (B), (A), (D), (E)
Options	
A	1
B	2
C	3
D	4

Question ID	264992
Question Type	MCQ
	Which of the following statements are correct in the context of Python file handling. (A) <code>open(file, "r")</code> is read-only mode.

(A) < r > open file in read-only mode.

(B) < x > open file in append mode.

(C) < wa > open file in write mode.

(D) < r+> open file in both read & write mode.

(E) < +r > open file in both read & write mode.

Choose the *correct* answer from the options given below:

1. (A), (B) and (E) only
2. (A), (B) and (C) only
3. (A), (D) and (E) only
4. (A), (B) and (D) only

Options

A	1
B	2
C	3
D	4

Question ID 264998

Question Type MCQ

Evaluate the following postfix expression:

7 8 2 * 4 / +

Question

1. 8
2. 9
3. 11
4. 10

Options

A	1
B	2
C	3
D	4

Question ID 265001

Question Type MCQ

What will be POSTFIX notation of the following expression:

$((2+3) * (4/2)) + 2$

Question

1. 2 3 + 4 2 / + 2 *
2. 2 3 4 2 2 + / * +
3. 2 3 + 4 2 / * 2 +
4. 2 3 + 4 2 / 2 + *

Options

A	1
B	2
C	3
D	4

Question ID 265004

Question Type MCQ

Consider the following operations on an initially empty deque:

insertFront(12)

insertRear(27)

Question	insertRear(67)
	deleteFront()
	insertRear(43)
	insertFront(13)
	deleteRear()
	deleteFront()
	After execution of above statements which element remains present in the deque?
Options	
A	1
B	2
C	3
D	4
1. 12 2. 13 3. 43 4. 67	

Question ID	265009
Question Type	MCQ
Question	Consider a queue initially having only one element 'Z'. Arrange the following operations in correct sequence so that queue contains two elements Z, B (from Front to Rear).
	(A) enqueue ('Z')
	(B) dequeue ()
	(C) enqueue ('X')
	(D) enqueue ('B')
	(E) dequeue ()
	Choose the correct answer from the options given below:
Options	
A	1
B	2
C	3
D	4
1. (B), (A), (E), (C), (D) 2. (C), (B), (E), (A), (D) 3. (E), (A), (B), (D), (C) 4. (D), (E), (B), (A), (C)	

Question ID	265013
Question Type	MCQ
Question	While sorting the elements 8, 7, 13, 1, -9, 4 in ascending order using Bubble sort, which of the following intermediate step is not possible?
	1. 7, 8, 1, -9, 4, 13
	2. 7, 1, -9, 4, 8, 13
	3. 7, 1, 4, 8, -9, 13
	4. 1, -9, 4, 7, 8, 13
Options	
A	1

B	2
C	3
D	4

Question ID	265017
Question Type	MCQ
Question	Consider the sorted list L = [2, 3, 5, 7, 10, 11, 12, 17, 19, 23, 29, 31, 37, 41, 43] How many iteration required for searching key = 2 in list L using Binary search. 1. 3 2. 4 3. 5 4. 10
Options	
A	1
B	2
C	3
D	4

Question ID	265022										
Question Type	MCQ										
Question	Match List-I with List-II <table><thead><tr><th>List-I</th><th>List-II</th></tr></thead><tbody><tr><td>(A) Mean of 2, 2, 3, 6, 7</td><td>(I) 4</td></tr><tr><td>(B) Mode of 2, 2, 3, 6, 7</td><td>(II) 5</td></tr><tr><td>(C) Median of 2, 2, 3, 6, 7</td><td>(III) 2</td></tr><tr><td>(D) Range of 2, 2, 3, 6, 7</td><td>(IV) 3</td></tr></tbody></table> Choose the correct answer from the options given below: 1. (A) - (I), (B) - (III), (C) - (IV), (D) - (II) 2. (A) - (I), (B) - (IV), (C) - (III), (D) - (II) 3. (A) - (II), (B) - (III), (C) - (IV), (D) - (I) 4. (A) - (II), (B) - (IV), (C) - (III), (D) - (I)	List-I	List-II	(A) Mean of 2, 2, 3, 6, 7	(I) 4	(B) Mode of 2, 2, 3, 6, 7	(II) 5	(C) Median of 2, 2, 3, 6, 7	(III) 2	(D) Range of 2, 2, 3, 6, 7	(IV) 3
List-I	List-II										
(A) Mean of 2, 2, 3, 6, 7	(I) 4										
(B) Mode of 2, 2, 3, 6, 7	(II) 5										
(C) Median of 2, 2, 3, 6, 7	(III) 2										
(D) Range of 2, 2, 3, 6, 7	(IV) 3										
Options											
A	1										
B	2										
C	3										
D	4										

Question ID	264989
Question Type	MCQ
Question	What will be the time complexity of an algorithm having a loop within a loop? 1. Quadratic 2. Linear 3. Logarithmic 4. Cubic

Options	
A	1
B	2
C	3
D	4

Question ID	264994
Question Type	MCQ
Question	Which of the following command is used to remove a table from database ? 1. Delete Table tablename; 2. Remove Table tablename; 3. Drop Table tablename; 4. Update Table tablename SET Null;
Options	
A	1
B	2
C	3
D	4

Question ID	264996
Question Type	MCQ
Question	Which of the following is example of structured data? 1. Many messages of social media 2. Web page consisting of text & multimedia context 3. Spreadsheet data 4. News paper articles
Options	
A	1
B	2
C	3
D	4

Question ID	265024																												
Question Type	MCQ																												
Question	Consider the following table 'Sale'																												
	<table><tr><th>CarID</th><th>CustID</th><th>SaleDate</th><th>SalePrice</th></tr><tr><td>C1</td><td>CD1</td><td>10/2/2026</td><td>650000</td></tr><tr><td>S1</td><td>CD2</td><td>11/2/2026</td><td>720000</td></tr><tr><td>C2</td><td>CD4</td><td>11/2/2026</td><td>670000</td></tr><tr><td>S2</td><td>CD1</td><td>12/2/2026</td><td>650000</td></tr><tr><td>S5</td><td>CD3</td><td>24/2/2026</td><td>450000</td></tr><tr><td>S6</td><td>CD2</td><td>28/2/2026</td><td>520000</td></tr></table>	CarID	CustID	SaleDate	SalePrice	C1	CD1	10/2/2026	650000	S1	CD2	11/2/2026	720000	C2	CD4	11/2/2026	670000	S2	CD1	12/2/2026	650000	S5	CD3	24/2/2026	450000	S6	CD2	28/2/2026	520000
	CarID	CustID	SaleDate	SalePrice																									
	C1	CD1	10/2/2026	650000																									
	S1	CD2	11/2/2026	720000																									
	C2	CD4	11/2/2026	670000																									
	S2	CD1	12/2/2026	650000																									
	S5	CD3	24/2/2026	450000																									
	S6	CD2	28/2/2026	520000																									
Which of the following SQL statement correctly display the number of cars purchased by each customer?																													
1. Select CustID,count(*) "No of cars" from sale group by CustID;																													
2. Select CustID,count(*) "No of cars" from sale group by CarID;																													
3. Select CustID,count(*) "No of cars" from sale group by SaleDate;																													
4. Select CustID,count(*) "No of cars" from sale group by SalePrice;																													

3. Select custID,count (*) "No of cars" from sale having CustID;
4. Select CustID,count (*) "No of cars" from sale having CarID;

Options

A	1
B	2
C	3
D	4

Question ID 265000

Question Type MCQ

Question Identify the technique.

It is a malware identification technique in which a file is executed in a virtual environment and its behavioural finger print is observed for a possible malware.

- Question**
1. Signature based detection
 2. Sandbox detection
 3. Real time protection
 4. Heuristics

Options

A	1
B	2
C	3
D	4

Question ID 265003

Question Type MCQ

Question Match **List-I** with **List-II**

List-I	List-II
(A) MAC Address	(I) 24 bits
(B) IPv6 Address	(II) 32 bits
(C) IPv4 Address	(III) 48 bits
(D) OUI used in MAC Address	(IV) 128 bits

Question

Choose the **correct** answer from the options given below:

1. (A) - (III), (B) - (I), (C) - (II), (D) - (IV)
2. (A) - (IV), (B) - (III), (C) - (II), (D) - (I)
3. (A) - (IV), (B) - (III), (C) - (I), (D) - (II)
4. (A) - (III), (B) - (IV), (C) - (II), (D) - (I)

Options

A	1
B	2
C	3
D	4

Question ID 265007

Question Type MCQ

Question Which of the following statement is NOT TRUE?

1. Radio waves are Omni-directional

Question	1. Radio waves are Omnidirectional. 2. Infrared waves are used in remote-control-to-TV. 3. Microwaves are Unidirectional. 4. Microwaves are used in AM and FM radio.
Options	
A	1
B	2
C	3
D	4

Question ID	265008
Question Type	MCQ
Question	Which of the following statement is not correct? 1. Nimda is example of worms. 2. Slammer is example of virus. 3. Wannacry is example of Ransomware. 4. HTTPS does not encrypt the data before sending.
Options	
A	1
B	2
C	3
D	4