

Question ID

13062

Question Type

MCQ

Question

What is the cardinality and degree of the following relation?

RollNo	Name	Marks
1	Amit	10
2	Priya	20
3	Anand	22
4	Geeta	24

1. Cardinality = 3, Degree = 4

2. Cardinality = 4, Degree = 3

3. Cardinality = 3, Degree = 3

4. Cardinality = 4, Degree = 4

Options

A

1

B

2

C

3

D

4

Question ID

13064

Question Type

MCQ

Question

Which of the following is a limitation of file system?

1. Ease of access

2. Data consistency

3. Data redundancy

4. Data independence

Options

A

1

B

2

C

3

D

4

Question ID

13065

Question Type

MCQ

Question

Which of the following SQL command is not used for data manipulation?

1. INSERT

2. CREATE

3. UPDATE

4. DELETE

Options

A

1

B

2

C

3

D

4

Question ID

13067

Question Type

MCQ

Which of the following is a membership operator in SQL?

Question	1. WHERE 2. IN 3. ORDER BY 4. Group By
Options	
A	1
B	2
C	3
D	4

Question ID	13070
Question Type	MCQ
Question	Identify the correct SQL statement 1. SELECT CustID, COUNT(*) FROM SALE GROUP BY CustID HAVING Count(*)>1; 2. SELECT CustID COUNT(*) FROM SALE HAVING Count(*)>1 GROUP BY CustID; 3. SELECT CustID FROM SALE COUNT(*) WHERE Count(*)>1 GROUP BY CustID; 4. SELCT CustID, COUNT(*) FROM SALE WHERE Count(*)>1 GROUP BY CustID;
Options	
A	1
B	2
C	3
D	4

Question ID	13073
Question Type	MCQ
Question	Identify correct command to change data type of the existing attributes of a table. 1. ALTER table _name MODIFY attribute DATATYPE; 2. ALTER TABLE table _name MODIFY attribute DATATYPE; 3. ALTER TABLE table _name ADD attribute _name DATATYPE; 4. ALTER TABLE UPDATE attribute DATATYPE;
Options	
A	1
B	2
C	3
D	4

Question ID

13075

Question Type

MCQ

Question

Match the **LIST-I** with **LIST-II**

LIST-I		LIST-II	
A.	Modem	I.	Receive analyze and transmit data to other networks
B.	Router	II.	Access point between an organisation's network and outside world
C.	RJ45	III.	Used for conversion between analog signal and digital bits
D.	Gateway	IV.	It is an eight pin connector

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

1. A-I, B-III, C-II, D-IV

2. A-III, B-I, C-IV, D-II

3. A-III, B-I, C-II, D-IV
4. A-IV, B-I, C-III, D-II

Options

A	1
B	2
C	3
D	4

Question ID 13077

Question Type MCQ

Question

What is the size of Media Access Control (MAC) address?

1. 24 bits
2. 48 bits
3. 12 bits
4. 10 bits

Options

A	1
B	2
C	3
D	4

Question ID 13079

Question Type MCQ

Question

Consider the following table 'Student'.

Student

RollNo	Marks	CGPA
1	10	NULL
2	NULL	NULL
3	10	NULL
8	16	NULL

Arrange the following command on the basis of their result in ascending order.

- A. Select Count(Marks) from Student;
B. Select Count(RollNo) from Student;
C. Select Max(RollNo) from Student;
D. Select Min(RollNo) from Student;

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

1. A, D, C, B
2. D, A, C, B
3. D, A, B, C
4. A, D, B, C

Options

A	1
B	2
C	3
D	4

Question ID 13080

Question Type MCQ

Which of the following are types of Computer Network?

- A. Local Area Network
B. Ring Topology
C. Personal Area Network

D. Wide Area Network
E. Private Area Network

Question

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

- 1. A & B Only
- 2. A, E & D Only
- 3. A, C & D Only
- 4. A & C Only

Options

A	1
B	2
C	3
D	4

Subject: Computer Science Section-B
Set Name: V1_Set04
Code: 308
Exam Date: 17-04-2026
SLOT: 2

Question ID	13083
Question Type	MCQ
Question	Which of the following is used to open a file in both read and write mode? 1. <r> 2. <ab> 3. <+r> 4. <a>
Options	
A	1
B	2
C	3
D	4

Question ID	13084
Question Type	MCQ
Question	Arrange the following steps of exception handling in their order of execution. A. Exception is raised B. An error encountered in a method C. Runtime system searches for exception handler D. Catching an exception E. Create exception object Choose the correct answer from the options given below: 1. E, B, D, C, A 2. E, B, C, A, D 3. B, E, A, C, D 4. A, B, C, D, E
Options	
A	1
B	2
C	3
D	4

Question ID	13087
Question Type	MCQ
Question	Convert the following infix expression into postfix expression. (3+5)/(6*4) 1. 35+64/* 2. 35+64*/ 3. 3564+*/ 4. 3564+/*
Options	
A	1
B	2
C	3
D	4

Question ID	13088
Question Type	MCQ
Question	Evaluate the following postfix expression

Evaluate the following postfix expression.
2 7 6 + 8 * /

- Question**
1. 52
 2. 56
 3. 72
 4. 76

- Options**
- A** 1
- B** 2
- C** 3
- D** 4

Question ID 13089

Question Type MCQ

- Question**
- Which of the following function is used to read, but not to delete the element at the front end of the queue?
1. dequeue()
 2. peek()
 3. enqueue()
 4. size()

- Options**
- A** 1
- B** 2
- C** 3
- D** 4

Question ID 13093

Question Type MCQ

- Question**
- Match the **LIST-I** with **LIST-II**
- | LIST-I | | LIST-II | |
|--------|---------|---------|--|
| A. | STACK | I. | Deletion and insertion can happen from any end |
| B. | QUEUE | II. | Insert a new element at the end of queue |
| C. | DEQUE | III. | Last-In-First-Out |
| D. | ENQUEUE | IV. | First-In-First-Out |
- Choose the **correct** answer from the options given below:
1. A-IV, B-III, C-II, D-I
 2. A-III, B-IV, C-I, D-II
 3. A-III, B-IV, C-II, D-I
 4. A-IV, B-III, C-I, D-II

- Options**
- A** 1
- B** 2
- C** 3
- D** 4

Question ID 13095

Question Type MCQ

- Question**
- Consider the list of 7 elements
NUM = [8, 10, 2, 11, 16, 21, 5]. It is to be sorted in ascending order.
Choose the correct partially sorted list after three passes of Bubble Sort from the following options:
1. 2, 8, 10, 5, 11, 16, 21

	2. 2, 10, 8, 11, 5, 16, 21
	3. 8, 10, 2, 11, 16, 5, 21
	4. 8, 10, 2, 5, 11, 16, 21
Options	
A	1
B	2
C	3
D	4

Question ID	13096
Question Type	MCQ
Question	Identify the sorting technique: Placing of cards at its right position while playing cards. 1. Selection Sort 2. Insertion Sort 3. Bubble Sort 4. Quick Sort
Options	
A	1
B	2
C	3
D	4

Question ID	13097																				
Question Type	MCQ																				
Question	Match the LIST-I with LIST-II																				
	<table><tr><th colspan="2">LIST-I</th><th colspan="2">LIST-II</th></tr><tr><td>A.</td><td>Range</td><td>I.</td><td>Average of numeric values</td></tr><tr><td>B.</td><td>Mean</td><td>II.</td><td>Value that appears most number of times</td></tr><tr><td>C.</td><td>Mode</td><td>III.</td><td>Middle value of sorted list</td></tr><tr><td>D.</td><td>Median</td><td>IV.</td><td>Difference between maximum and minimum values</td></tr></table>	LIST-I		LIST-II		A.	Range	I.	Average of numeric values	B.	Mean	II.	Value that appears most number of times	C.	Mode	III.	Middle value of sorted list	D.	Median	IV.	Difference between maximum and minimum values
	LIST-I		LIST-II																		
	A.	Range	I.	Average of numeric values																	
	B.	Mean	II.	Value that appears most number of times																	
C.	Mode	III.	Middle value of sorted list																		
D.	Median	IV.	Difference between maximum and minimum values																		
Choose the correct answer from the options given below:																					
1. A-IV, B-I, C-III, D-II 2. A-IV, B-I, C-II, D-III 3. A-I, B-IV, C-II, D-III 4. A-I, B-IV, C-III, D-II																					
Options																					
A	1																				
B	2																				
C	3																				
D	4																				

Question ID	13098
Question Type	MCQ
Question	Which of the following is a measure of dispersion? 1. Mean 2. Median 3. Range 4. Mode
Options	
A	1

B	2
C	3
D	4

Question ID	13100
Question Type	MCQ
Question	Which of the following key is used to represent association between two relations? 1. Candidate Key 2. Primary Key 3. Composite Primary Key 4. Foreign Key
Options	
A	1
B	2
C	3
D	4

Question ID	13101
Question Type	MCQ
Question	Which of the following constraints are used in SQL? A. CREATE B. NOT NULL C. GROUP BY D. UNIQUE E. SELECT Choose the correct answer from the options given below: 1. B & C Only 2. B & D Only 3. A, B & D Only 4. D & E Only
Options	
A	1
B	2
C	3
D	4

Question ID	13102
Question Type	MCQ
Question	In which of the following topology each communicating device is connected with the every other device in the network? 1. Star Topology 2. Ring Topology 3. Bus Topology 4. Mesh Topology
Options	
A	1
B	2
C	3
D	4

Question ID	13103
Question Type	MCQ
	Arrange the following data transfer rate in increasing order. A. 4096 Kbps

- A. 4096 Kbps
- B. 2 Mbps
- C. 2048 Gbps
- D. 1 Tbps

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

- 1. A, B, D, C
- 2. B, A, D, C
- 3. D, B, C, A
- 4. B, A, C, D

Options	
A	1
B	2
C	3
D	4

Question ID 13105
Question Type MCQ

The capacity of a communication channel can be measured using:

- A. Bandwidth
- B. Thickness of media
- C. Data transfer rate
- D. Protocol Capacity

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

- 1. B & D Only
- 2. A & C Only
- 3. A & B Only
- 4. D & A Only

Options	
A	1
B	2
C	3
D	4

Question ID 13106
Question Type MCQ

Which of the following is not a Malware?

- 1. Ransomware
- 2. SPAM EMAIL
- 3. Trojan
- 4. KEYLOGGERS

Options	
A	1
B	2
C	3
D	4

Question ID 13109
Question Type MCQ

Which of the following statement is **not true** for Denial of Service attack?

- 1. DoS attack floods the victim resource with traffic
- 2. DoS attack can makes a server crash
- 3. A variant of DoS, known as Delay Denial of Service (DDoS)
- 4. DoS limits an authorised user to access a service

Question

Options	
A	1
B	2
C	3
D	4

Question ID	13110
Question Type	MCQ
Question	What is the correct formula to calculate hash value of an element, using the remainder method? 1. $h(\text{element}) = \text{size}(\text{element}) \% \text{size}(\text{hash table})$ 2. $h(\text{element}) = \text{element} / \text{size}(\text{hash table})$ 3. $h(\text{element}) = \text{element} \% \text{size}(\text{hash table})$ 4. $h(\text{element}) = \text{size}(\text{element}) / \text{size}(\text{hash table})$
Options	
A	1
B	2
C	3
D	4