6406531885491. ✔ $O(n)$

DBMS

Section Id :	64065338329
Section Number :	12
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	23
Number of Questions to be attempted :	23
Section Marks :	50
Display Number Panel :	Yes
Group All Questions :	No
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	64065380421
Question Shuffling Allowed :	No
Is Section Default? :	null

Question Number : 320 Question Id : 640653564038 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 0

Question Label : Multiple Choice Question

THIS IS QUESTION PAPER FOR THE SUBJECT "DIPLOMA LEVEL : DATABASE MANAGEMENT SYSTEMS (COMPUTER BASED EXAM)"

ARE YOU SURE YOU HAVE TO WRITE EXAM FOR THIS SUBJECT?

CROSS CHECK YOUR HALL TICKET TO CONFIRM THE SUBJECTS TO BE WRITTEN.

(IF IT IS NOT THE CORRECT SUBJECT, PLS CHECK THE SECTION AT THE TOP FOR THE SUBJECTS REGISTERED BY YOU)

Options :

6406531885514. ✔ YES

6406531885515. ✖ NO

Sub-Section Number :	2
Sub-Section Id :	64065380422
Question Shuffling Allowed :	Yes
Is Section Default? :	null

Question Number : 321 Question Id : 640653564039 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2

Question Label : Multiple Choice Question

Choose the correct order of execution of SQL clauses.

Options :

6406531885516. ✖ FROM → WHERE → HAVING → GROUP BY→ SELECT → ORDER BY

6406531885517. ✔ FROM → WHERE → GROUP BY → HAVING → SELECT → ORDER BY

6406531885518. ✖ SELECT → FROM → WHERE → GROUP BY → HAVING → ORDER BY

6406531885519. ✖ SELECT → FROM → WHERE → ORDER BY →GROUP BY → HAVING

Question Number : 322 Question Id : 640653564049 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2

Question Label : Multiple Choice Question

Consider a magnetic disk with 16 platters, 2 surfaces/platter, 1024 tracks/surface, 2048 sectors/track, and 1024 bytes/sector. The disk rotates with 6000 revolutions per minute. What is the capacity of the disk?

Options :

6406531885545. ✔ 64 GB

6406531885546. ✖ 32 GB

6406531885547. ✖ 32 MB

6406531885548. ✖ 64 MB

Question Number : 323 Question Id : 640653564057 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2

Question Label : Multiple Choice Question

Consider the relational schema $\mathbf{A}(P,\ Q,\ R,\ S,\ T)$ with the following set of functional dependencies:

$$\mathcal{F} = \{P \rightarrow QR, Q \rightarrow S, S \rightarrow T\}$$

Which of the following options is a dependency-preserving decomposition of the relation A into A1 and A2?

Options :

6406531885568. ✖ $\mathbf{A1}(P,\ R),\ \mathbf{A2}(Q,\ S,\ T)$

6406531885569. ✔ $\mathbf{A1}(P,\ Q,\ R),\ \mathbf{A2}(Q,\ S,\ T)$

6406531885570. ✖ $\mathbf{A1}(P,\ Q,\ R),\ \mathbf{A2}(R,\ S,\ T)$

6406531885571. ✖ $\mathbf{A1}(P,\ Q,\ R),\ \mathbf{A2}(S,\ T)$

Question Number : 324 Question Id : 640653564059 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2

Question Label : Multiple Choice Question

Insert the key values in the following order into an empty 2-3-4 tree: 20, 45, 12, 34, 25, 56, 74, 2, 96 in reverse order. The internal nodes of the resultant 2-3-4 tree must contain which of the following key values. [*Note: Using early splitting strategy*]

Options :

6406531885576. ✖ 2, 20, 34, 56, 96

6406531885577. ✖ 25, 45, 74

6406531885578. ✖ 2, 12, 34, 56

6406531885579. ✔ 45, 12, 25, 74

Sub-Section Number :	3
Sub-Section Id :	64065380423
Question Shuffling Allowed :	No
Is Section Default? :	null

Question Id : 640653564040 Question Type : COMPREHENSION Sub Question Shuffling Allowed : No Group Comprehension Questions : No Question Pattern Type : NonMatrix Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Question Numbers : (325 to 326)

Question Label : Comprehension

Consider the following schema diagram of **IPLt20** and answer the given subquestions.

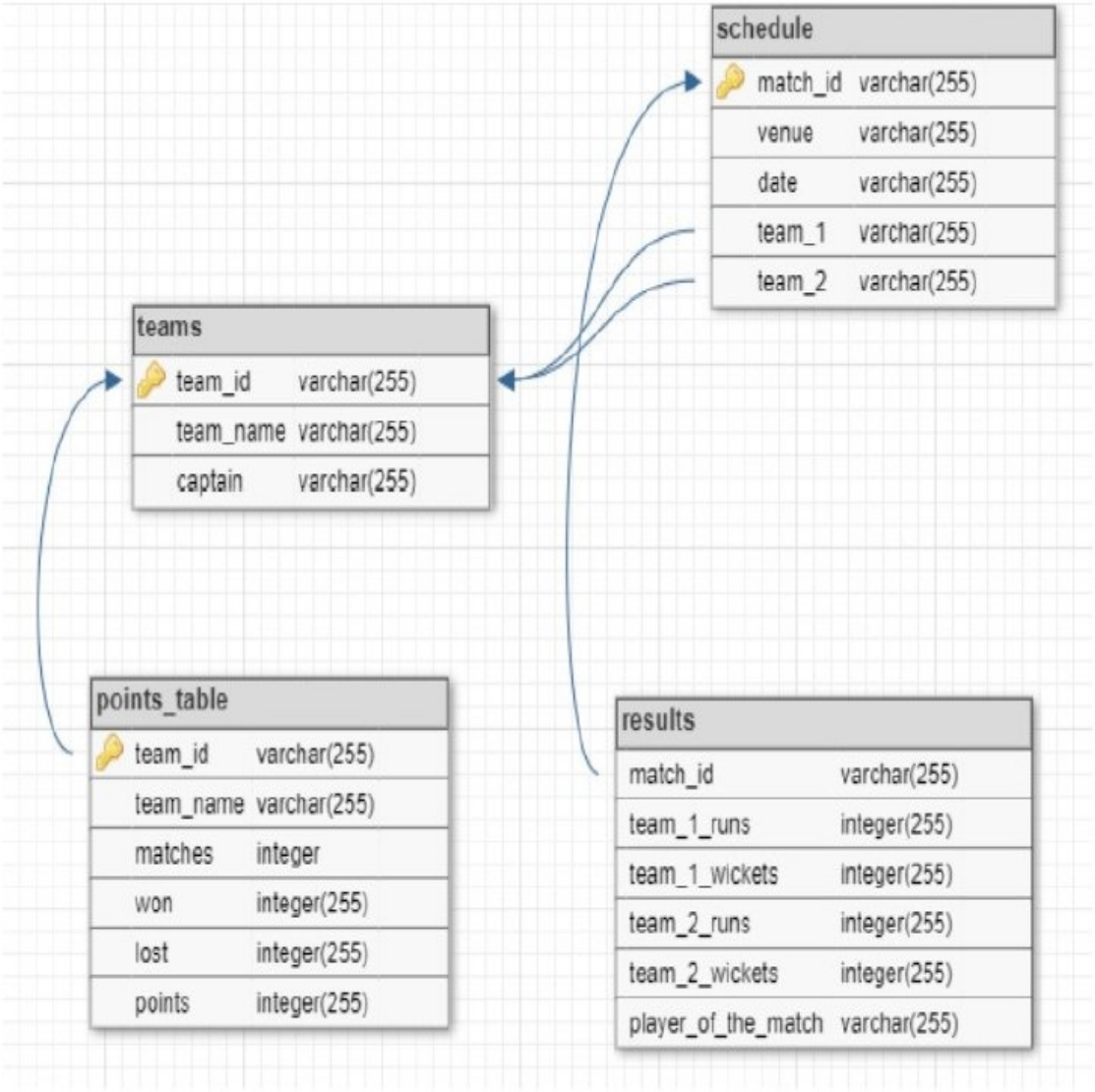


Figure 1: IPLt20

Sub questions

Question Number : 325 Question Id : 640653564041 Question Type : MSQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 3 Selectable Option : 0

Question Label : Multiple Select Question

Choose the correct SQL code which is used to create the table **schedule**.

Options :

6406531885520. ✔

```
CREATE table schedule (match_id varchar(255) primary key,
venue varchar(255), date varchar(255), team_1 varchar(255),
team_2 varchar(255), foreign key (team_1) references teams(team_id),
foreign key (team_2) references teams(team_id))
```

6406531885521. ✖

```
CREATE table schedule (match_id varchar(255) primary key,
venue varchar(255), date varchar(255), team_1 varchar(255),
team_2 varchar(255), foreign key (team_1) references teams(team_id),
foreign key (team_2) references teams(team_id),
foreign key (match_id) references results(match_id))
```

6406531885522. ✖

```
CREATE table schedule (match_id varchar(255) primary key,
venue varchar(255), date varchar(255), team_1 varchar(255),
team_2 varchar(255),
foreign key (team_1, team_2) references teams(team_id))
```

6406531885523. ✔

```
CREATE table schedule (match_id varchar(255),
venue varchar(255), date varchar(255), team_1 varchar(255),
team_2 varchar(255), primary key (match_id),
foreign key (team_1) references teams(team_id),
foreign key (team_2) references teams(team_id))
```

Question Number : 326 Question Id : 640653564042 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1

Question Label : Multiple Choice Question

Consider a scenario when the team named 'Mumbai Indians' captain 'Rohit Sharma' gets injured, and he is out of the team. The team management has decided to make 'Surya Kumar Yadav' as the captain of 'Mumbai Indians'. Which of the following SQL query is used to update the captain of the team 'Mumbai Indians'?

Options :

6406531885524. ✔

```
update teams
set captain = 'Surya Kumar Yadav'
where team_name = 'Mumbai Indians'
```

6406531885525. ✖

```
update teams
where team_name = 'Mumbai Indians'
set captain = 'Surya Kumar Yadav'
```

6406531885526.

```
update table teams
set captain = 'Surya Kumar Yadav'
where team_name = 'Mumbai Indians'
```

6406531885527.

```
update teams
alter captain = 'Surya Kumar Yadav'
where team_name = 'Mumbai Indians'
```

Question Id : 640653564061 Question Type : COMPREHENSION Sub Question Shuffling Allowed : No Group Comprehension Questions : No Question Pattern Type : NonMatrix Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Question Numbers : (327 to 328)

Question Label : Comprehension

Consider a RAID-4 system with 5 disks which stores the following data shown in Figure 2 and answer the given subquestions.

DISK - 1	DISK - 2	DISK - 3	DISK - 4	DISK - 5	
0111	0010	XXXX	0001	0010	BLOCK A
0110	1101	XXXX	0000	1100	BLOCK B

Figure 2: RAID-4 data

Sub questions

Question Number : 327 Question Id : 640653564062 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2

Question Label : Multiple Choice Question

According to the figure disk-3 has crashed. What data is present in the two blocks of disk-3?

Note: Assume block size is 4 bits

Options :

6406531885584. ✖ block A: 0101, block B: 0101

6406531885585. ✖ block A: 0010, block B: 0100

6406531885586. ✖ block A: 0001, block B: 0000

6406531885587. ✔ block A: 0110, block B: 0111

Question Number : 328 Question Id : 640653564063 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2

Question Label : Multiple Choice Question

Assume that the binary values represent 8 bit ASCII code. What is the data word present inside this RAID-4 storage system?

Note: The ASCII value of 'A' is 65 and 'a' is 97.

Options :

6406531885588. ✔ ramp

6406531885589. ✖ RAMP

6406531885590. ✖ ROCK

6406531885591. ✖ rock

Sub-Section Number : 4

Sub-Section Id : 64065380424

Question Shuffling Allowed : No

Is Section Default? : null

Question Id : 640653564043 Question Type : COMPREHENSION Sub Question Shuffling Allowed : No Group Comprehension Questions : No Question Pattern Type : NonMatrix Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Question Numbers : (329 to 330)

Question Label : Comprehension

Consider the table **score** as shown below and answer the given subquestions.

roll_no	m1	m2	m3	s1	s2
21f1	34	45	67	78	33
21f2	34	44	62	78	33
21f3	34	35	67	83	33
21f4	34	45	17	78	23
21f5	14	45	27	78	33
21f9	23	45	66	78	NULL
21f7	23	45	78	NULL	NULL

Table: Score

Sub questions

Question Number : 329 Question Id : 640653564044 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 3

Question Label : Multiple Choice Question

Match the below **SQL queries** with the correct **output**.

SQL queries:

A: `SELECT count(s2) FROM score`

B: `SELECT count(*) FROM score`

C: `SELECT m1 + m2 + m3 as maths_score, s1 + s2 as stats_score FROM score WHERE roll_no = '21f9'`

D: `SELECT avg(s2) FROM score`

Output:

1. 7
2. 5
3. 31
4. 22.14

5.

maths_score	stats_score
134	NULL

6.

maths_score	stats_score
134	78

Options :

6406531885528. ✖ A-1, B-2, C-5, D-4

6406531885529. ✖ A-1, B-2, C-6, D-3

6406531885530. ✔ A-2, B-1, C-5, D-3

6406531885531. ✖ A-2, B-1, C-6, D-4

Question Number : 330 Question Id : 640653564045 Question Type : MSQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Selectable Option : 0

Question Label : Multiple Select Question

Which of the following SQL query can be used to retrieve the roll numbers and average marks (*m1, m2, m3*) of all students who have scored more than 60 in subject *s1*, sorted in descending order of their average marks?

Options :

6406531885532. ✖

```
SELECT roll_no, avg(m1 + m2 + m3) AS average_marks
FROM score
WHERE s1 > 60
ORDER BY average_marks DESC
```

6406531885533. ✔

```
SELECT roll_no, (m1 + m2 + m3)/3 AS average_marks
FROM score
WHERE s1 > 60
ORDER BY average_marks DESC
```

6406531885534. ✖

```
SELECT roll_no, (m1 + m2 + m3)/3 AS average_marks
FROM score
WHERE s1 > 60
ORDER BY average_marks
```

6406531885535. ✖

```
SELECT roll_no, Sum(m1,m2,m3)/3 AS average_marks
FROM score
WHERE s1 > 60
ORDER BY average_marks DESC
```

Sub-Section Number : 5

Sub-Section Id : 64065380425

Question Shuffling Allowed : Yes

Is Section Default? : null

Question Number : 331 Question Id : 640653564046 Question Type : MSQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Selectable Option : 0

Question Label : Multiple Select Question

Consider a **nested loop join** for the two relations **instructor** and **department**.

Relation	instructor	department
Number of tuples(n)	2000	100
Number of blocks(b)	600	70

Assuming the worst-case memory availability and considering **instructor** as the outer relation, which of the following options is/are correct?

Options :

6406531885536. ✖ Number of block transfers = 60070

6406531885537. ✔ Number of block transfers = 140600

6406531885538. ✖ Number of seeks = 2070

6406531885539. ✔ Number of seeks = 2600

Question Number : 332 Question Id : 640653564053 Question Type : MSQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Selectable Option : 0

Question Label : Multiple Select Question

Consider three transaction T_5, T_{10}, T_{15} having time-stamps 5, 10 and 15 respectively. Which of the following options is/are correct according to deadlock prevention Wait-Die Scheme?

Options :

6406531885555. ✔ If T_5 requests a data item held by T_{10} then T_5 will ”wait”

6406531885556. ✖ If T_5 requests a data item held by T_{10} then T_{10} will ”wait”

6406531885557. ✖ If T_{15} requests a data item held by T_{10}, then T_{10} will be killed (”die”)

6406531885558. ✔ If T_{15} requests a data item held by T_{10}, then T_{15} will be killed (”die”)

Question Number : 333 Question Id : 640653564064 Question Type : MSQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Selectable Option : 0

Question Label : Multiple Select Question

Consider the given timeline of five transactions T1, T2, T3, T4, T5 respectively as shown in Figure 3.

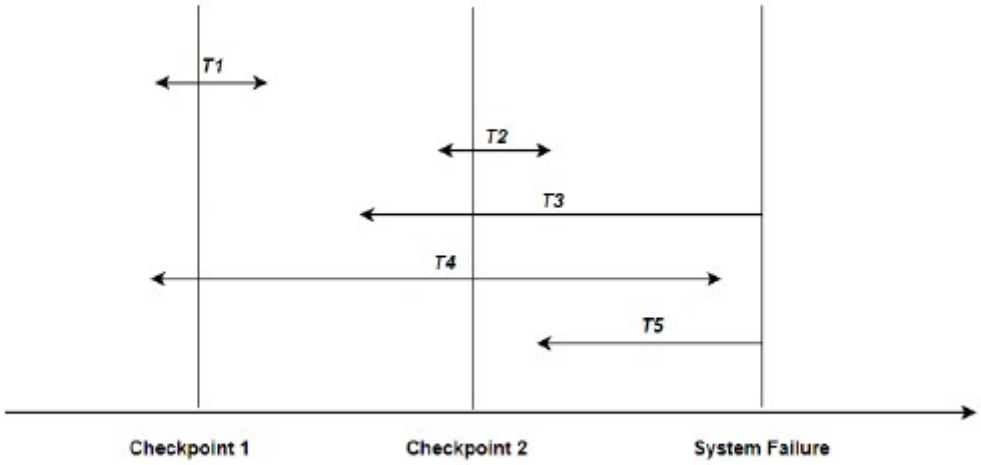


Figure 3: State of Transactions

Which of the following actions will be taken by the recovery manager?

Options :

6406531885592. ✔ Transaction T2 and T4 needs to be redone.

6406531885593. ✖ Transaction T1 and T2 are ignored.

6406531885594. ✖ Transaction T3 and T4 needs to be redone.

6406531885595. ✔ Transaction T3 and T5 needs to be undone.

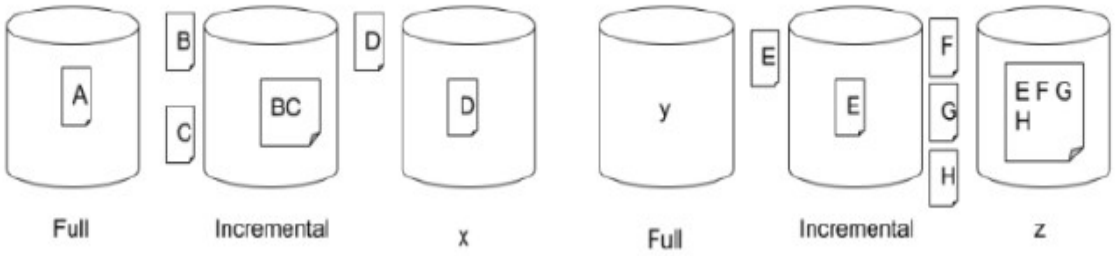
6406531885596. ✖ Transaction T1 needs to be redone.

Question Number : 334 Question Id : 640653564065 Question Type : MSQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 2 Selectable Option : 0

Question Label : Multiple Select Question

Consider the diagram below indicating the files that should be backed up in each respective type of backup.



Which of the following options is/are correct?

Options :

6406531885597. ✖ **x** should be a differential backup

6406531885598. ✔ **y** must be ABCD

6406531885599. ✖ **z** must be a full backup

6406531885600. ✔ **x** should be an incremental backup

Sub-Section Number :	6
Sub-Section Id :	64065380426
Question Shuffling Allowed :	Yes
Is Section Default? :	null

Question Number : 335 Question Id : 640653564047 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1

Question Label : Multiple Choice Question

Consider the relational schema **instructor**$(id, name, dept\_name, salary)$ and relational algebra expression is given below:

$$\prod_{name}(\sigma_{salary>80000 \wedge dept\_name='Music'}(instructor))$$

Choose the equivalent relational algebra expression.

Options :

6406531885540.

✖ $\prod_{name}(\sigma_{dept\_name='Music'}(instructor))$

6406531885541. ✖ $\prod_{name}(\sigma_{salary>80000}(instructor))$

6406531885542. ✔ $\prod_{name}(\sigma_{salary>80000}(\sigma_{dept\_name='Music'}(instructor)))$

6406531885543. ✖ None of these

Question Number : 336 Question Id : 640653564058 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1

Question Label : Multiple Choice Question

Consider the relational schema $\mathbf{R}(A,\ B,\ C,\ D,\ E)$ with the following set of functional dependencies:

$\mathcal{F} = \{A \rightarrow BCD, BC \rightarrow DE, D \rightarrow E\}$

The relation $\mathbf{R}$ is decomposed into $\mathbf{R1}(B,\ C,\ D)$ and $\mathbf{R2}(A,\ D,\ E)$. Which of the following conditions is/are not satisfied for a decomposition to be lossless?

Options :

6406531885572. ✖ $\mathbf{R1} \cup \mathbf{R2} = \mathbf{R}$

6406531885573. ✖ $\mathbf{R1} \cap \mathbf{R2} \neq \emptyset$

6406531885574. ✔ $\mathbf{R1} \cap \mathbf{R2} \rightarrow \mathbf{R1}$ or $\mathbf{R1} \cap \mathbf{R2} \rightarrow \mathbf{R2}$

6406531885575. ✖ None of these

Sub-Section Number : 7

Sub-Section Id : 64065380427

Question Shuffling Allowed : Yes

Is Section Default? : null

Question Number : 337 Question Id : 640653564048 Question Type : SA Calculator : None

Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1

Question Label : Short Answer Question

The following numbers are inserted into an empty binary search tree in the given order: 21, 32, 1, 8, 9, 10, 15, 16, 27. What is the height of the resulting binary search tree?

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Equal

Text Areas : PlainText

Possible Answers :

6

Question Number : 338 Question Id : 640653564050 Question Type : SA Calculator : None

Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1

Question Label : Short Answer Question

Consider the following schedule S with three transactions T1, T2 and T3.

$$\text{S: } R3(D); W3(D); R1(A); W1(A); R2(C); W2(C);$$

The number of serial schedule for given schedule S is _____

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Equal

Text Areas : PlainText

Possible Answers :

6

Sub-Section Number :	8
Sub-Section Id :	64065380428
Question Shuffling Allowed :	Yes
Is Section Default? :	null

Question Number : 339 Question Id : 640653564051 Question Type : SA Calculator : None

Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 3

Question Label : Short Answer Question

Consider the following schedule S with four transactions T1, T2, T3,T4.

$$S: R1(B); R3(A); W3(A)R4(A); W4(A); W2(A); R3(C); W3(C); W1(C);$$

Where, Ri(A) denotes a read operation by transaction Ti on a data item A, Wi(A) denotes a write operation by transaction Ti on a data item A.
What is the possible number of conflict serializable schedule of the above schedule S?

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Equal

Text Areas : PlainText

Possible Answers :

3

Question Number : 340 Question Id : 640653564054 Question Type : SA Calculator : None

Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 3

Question Label : Short Answer Question

Let $\mathrm{R}(U, V, W, X, Y, Z)$ be a given relation with the following functional dependencies:

$\mathcal{F} = \{W \rightarrow VX, X \rightarrow W, V \rightarrow U, Y \rightarrow Z\}$

Find the total number of super keys of R.

Response Type : Numeric

Evaluation Required For SA : Yes

Show Word Count : Yes

Answers Type : Equal

Text Areas : PlainText

Possible Answers :

24

Sub-Section Number :	9
Sub-Section Id :	64065380429
Question Shuffling Allowed :	Yes
Is Section Default? :	null

Question Number : 341 Question Id : 640653564052 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 3

Question Label : Multiple Choice Question

Consider the following schedule **S**.

S:W1(A), W3(A), W3(C), R2(A), W2(A), W1(B), W3(B)

Consider the following statements.

Statement 1: The given schedule S is Conflict serializable.

Statement 2: All Conflict serializable schedules are 2-P lockable.

Statement 3: The given schedule is 2-P lockable.

Which of the following options is correct?

Options :

6406531885551. ✔ Statement 1 is correct

6406531885552. ✖ Statement 2 is correct

6406531885553. ✖ Statement 3 is correct

6406531885554. ✖ All of these statements are correct

Question Number : 342 Question Id : 640653564056 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 3

Question Label : Multiple Choice Question

Consider the following relational schema.

airport (*a_code*, *a_name*, *city*)
flights (*f_id*, *f_name*, *fdate*, *source*, *destination*)
passengers (*p_id*, *p_name*, *gender*)
bookings (*b_id*, *f_id*, *p_id*, *seat_no*)

Consider the following SQL queries.

1. ```
   SELECT f_id, f_name FROM flights
   WHERE source = 'Delhi' AND destination = 'Mumbai'
   ```

2. ```
   SELECT p_id FROM passengers
   WHERE p_id NOT IN (SELECT p_id FROM bookings)
   ```

3. ```
   SELECT p.p_id, p.gender FROM flights f
   INNER JOIN bookings b ON b.f_id = f.f_id
   INNER JOIN passengers p ON p.p_id = b.p_id
   WHERE f.f_name = 'Indigo' AND f.fdate > '2023-05-10'
   ```

Using the following expressions, determine the equivalent RA (relational algebra), TRC (tuple relational calculus), or DRC (domain relational calculus) expressions for the above SQL queries.

a. $\Pi_{f\_id,f\_name}(\sigma_{source='Delhi' \vee destination='Mumbai'}(flights))$

b. $\{< d,e > | \exists d,e,f,g,h(< d,e,f,g,h > \in flights \wedge g = \text{`}Delhi\text{'} \wedge h = \text{`}Mumbai\text{'})\}$

c. $\Pi_{p\_id}(\Pi_{p\_id}(passengers) - \Pi_{p\_id}(passengers \bowtie bookings))$

d. $\{t \mid \exists p \in passengers\ \exists b \in bookings(p.p\_id = t.p\_id \wedge p.p\_id = b.p\_id)\}$

e. $\{t \mid \exists p \in passengers\ \exists b \in bookings\ \exists f \in flights(p.p\_id = b.p\_id \wedge f.f\_id = b.f\_id \wedge p.p\_id = t.p\_id \wedge p.gender = t.gender \wedge f.f\_name = \text{`}Indigo\text{'} \wedge f.fdate > \text{`}2023-05-10\text{'})\}$

f. $\{< p,r > | \exists p,q,r((< p,q,r > \in passengers) \wedge \exists a,b,c,d,e(< a,b,c,d,e > \in flights \wedge b = \text{`}Indigo\text{'} \wedge c > \text{`}2023-05-10\text{'}) \wedge \exists x,y,z,w(< x,y,z,w > \in bookings))\}$

Choose the correct option.

Options :

6406531885564. ✖ 1-b, 2-d, 3-f

6406531885565. ✖ 1-a, 2-c, 3-e

6406531885566. ✔ 1-b, 2-c, 3-e

6406531885567. ✖ 1-a, 2-d, 3-f
   ```

Question Number : 343 Question Id : 640653564060 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 3

Question Label : Multiple Choice Question

Consider a B-tree based index with an order p = 25. Assume that each node in the B-tree is 80% full. What is the maximum number of keys that can be accommodated in the given B-tree if the height of the tree is 4?

Options :

6406531885580. ✖ 32,99,999

6406531885581. ✖ 35,40,000

6406531885582. ✖ 30,40,000

6406531885583. ✔ 31,99,999

Sub-Section Number :	10
Sub-Section Id :	64065380430
Question Shuffling Allowed :	Yes
Is Section Default? :	null

Question Number : 344 Question Id : 640653564055 Question Type : MSQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Selectable Option : 0

Question Label : Multiple Select Question

Which of the following statements is/are true regarding weak entities in an ER diagram?

Options :

6406531885560. ✔ Weak entities always depend on strong entity for their existence.

6406531885561. ✖ Weak entities cannot have attributes of their own.

6406531885562. ✖ Weak entities are always part of a one-to-many relationship.

6406531885563. ✔ Weak entity sets are represented by a double rectangle symbol.

Sub-Section Number : 11

Sub-Section Id : 64065380431

Question Shuffling Allowed : Yes

Is Section Default? : null

Question Number : 345 Question Id : 640653564066 Question Type : MCQ Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1

Question Label : Multiple Choice Question

What is the percentage of space utilization in RAID 1?

Options :

6406531885601. ✖ 100%

6406531885602. ✔ 50%

6406531885603. ✖ 75%

6406531885604. ✖ 25%

Business Analytics

Section Id : 64065338330

Section Number : 13

Section type : Online

Mandatory or Optional : Mandatory

Number of Questions : 15

Number of Questions to be attempted : 15

Section Marks : 45

Display Number Panel : Yes