

ISDM

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Sri Lanka Institute of Information Technology

Question 20
Not yet answered
Marked out of 3.00
Flag question

Super Aero Engineering uses CAD and CAM systems to construct new aircraft prototypes. Which of the following is most suitable as a strategic objective of the Super Aero Engineering company?

Select one:

- a. Operational excellence
- b. Improved decision-making
- c. New products, services, and business models
- d. Customer and supplier intimacy

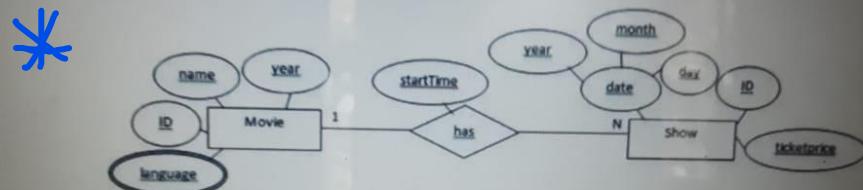
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Which of the following is/ are **true** about the schema resulted after mapping the below ER diagram to the Relational model?



Select one or more:

- a. The relation 'show' has the movieID as the foreign key
- b. The relation containing 'startTime' attribute has a composite primary key
- c. The relation containing startTime attribute has 2 foreign keys
- d. The relation containing startTime has language as the foreign key
- e. The relation 'show' includes 7 attributes



Sri Lanka Institute of Information Technology

Which statement is False regarding the Three Schema Architecture of the DBMS?

Select one:

- a. Physical schema describes actual physical storage information and indexes used
- b. Conceptual schema describes logical structure and constraints of the database
- c. Conceptual schema is dependent on the technology used
- d. External schema describes how users see the data

Online Exams
Sri Lanka Institute of Information Technology

Question 8
Not yet answered
Marked out of 3.00
Flag question

Consider the following schema which provides information about student results
Results (StudentNo, SubjectNo, Marks)
Find the most suitable SQL query for the given question.
Display the average marks for each subject

Select one:

a. SELECT AVG(Marks) FROM Results GROUP BY StudentNo;
 b. SELECT MAX (Marks) FROM Results GROUP BY StudentNo;
 c. SELECT AVG(Marks) FROM Results ;
 d. SELECT AVG(Marks) FROM Results GROUP BY Marks;

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Quiz navigation

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Finish attempt

6:00 PM
6/4/2020

Online Exams

Sri Lanka Institute of Information Technology

What is the correct SQL query which can find the highest eno in the employee table?

eno	NIC	ename	address	dnumber
100	901250087V	Smith,John B	731 Fondren, H...	5
101	895290452V	Wrong, Franklin...	638 Voss, Houst...	5
102	923859070V	Zelaya, Alicia J.	33321 Castle, S...	4
104	904850045V	Narayan, Reme...	975 Fire Oak, H...	5
105	889950600V	English, Joyce A.	5631 Rice, Hous...	1
106	915850123V	Jabbar, Ahama...	980 Dallas, Hou...	1

Select one:

- a. Select MAX (eno) from Employee
- b. Select SUM (eno) from Employee
- c. Select eno from Employee ORDER BY eno
- d. Select MIN (eno) from Employee

Information Technology

Which of the following is/are incorrect about IoT system?

Select one or more:

- a. Sensors are connected using a wired technology.
- b. Network of objects, each embedded with sensors(things)
- c. Man-machine communication is absent.
- d. Machine to machine communication is prominent

a,c,d

Information Technology

Which of the following do you need to consider when you define a table in SQL?

Select one or more:

- a. Default values for attributes
- b. Multivalued attributes
- c. Primary key of table
- d. Data Types of attributes

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Super Aero Engineering uses CAD and CAM systems to construct new aircraft prototypes. Which of the following is most suitable as a strategic objective of the Super Aero Engineering company?

Select one:

- a. New products, services, and business models 
- b. Survival
- c. Customer and supplier intimacy 
- d. Operational excellence
- e. Improved decision making

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Ensuring the task is done by right person, at the right time in the right order is the expectation of,

Select one:

- a. Supply chain management system 
- b. e-commerce system 
- c. Process control system 
- d.
- Workflow management system
- e. Enterprise Resource Planning system 



Online Exam

Sri Lanka Institute of Information Technology

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sion

Information systems are

Select one:

a.

Disseminating information.

b.

Essential for businesses.

c.

Computerized

d.

Making decisions

e.

Used by IT professionals

7/20/2016 10:20:42 AM Q.ppt

Page view

Sri Lanka Institute of Information Technology

Microsoft excel is a

Select one:

- a. Global Information system
- b. Workgroup Information System
- c. Decision Support System
- d. Personal Information System
- e. Inter-organizational Information system

A blue checkmark is placed next to option b. "Workgroup Information System".

Which of the following can be considered as Candidate Keys for the following Company table?
Company (RegistrationNo, Name, Address, PhoneNumber, E-mail, Type)

Select one or more:

- a. E-mail, Type
- b. Name
- c. E-mail
- d. RegistrationNo, E-mail
- e. RegistrationNo, Address

Which relation has the descriptive attribute 'role' after map the following ER model into the relational model?

```
erDiagram
    class Movie {
        string ID;
        string name;
        number year;
        string language;
    }
    class MovieStar {
        string ID;
        string name;
    }
    Movie }M o--o{ MovieStar : starsin {
        string role;
        string first;
        string last;
    }

```

Select one:

- a. Movie
- b. MovieStar
- c. Movie_language
- d. Starsin
- e. None of the given answers

X

Question 1
Not yet answered
Marked out of 5.00
[Flag question](#)

Which of the following is/ are true about the schema resulted after mapping the below ER diagram to the relational model?

Select one or more:

- a. The relation containing language attribute has a composite primary key
- b. Movie table will contain 3 attributes
- c. Customer table will contain 4 attributes
- d. The relation containing language attribute has 2 foreign keys
- e. Seat table will contain 4 attributes

INSTRUCTIONS
EXAM QUESTIONS
COMMENTS AND CO
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A recursive relationship is a relationship between an entity and _____

Select one or more:

- a. Another distinct entity
- b. Itself
- c. Sub entity
- d. An instance entity
- e. A relationship

ISDM MCQ.pdf
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Online Exams

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Ensuring the task is done by right person, at the right time in the right order is the expectation of,

Select one:

- a. Supply chain management system
- b. e-commerce system
- c. Process control system
- d.
- e. Workflow management system
- f. Enterprise Resource Planning system

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Which statement is False regarding the Three Schema Architecture of the DBMS?

Select one:

- a. Physical schema describes actual physical storage information and indexes used
- b. Conceptual schema describes logical structure and constraints of the database
- c. Conceptual schema is dependent on the technology used
- d. External schema describes how users see the data

Type here to search

Activate Windows
Go to Settings

28°C Light rain 18:19 04/09/2021 ENG US

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8 unanswered out of 10 questions

Consider the following schema which provides information about student results
Results (StudentNo, SubjectNo, Marks)

Find the most suitable SQL query for the given question.

Display the average marks for each subject

Select one:

- a. SELECT AVG(Marks) FROM Results GROUP BY StudentNo;
- b. SELECT MAX (Marks) FROM Results GROUP BY StudentNo;
- c. SELECT AVG(Marks) FROM Results;
- d. SELECT AVG(Marks) FROM Results GROUP BY Marks;

Which relation has the descriptive attribute 'role' after map the following ER model into the relational model?

```
erDiagram
    class Movie {
        string name
        number ID
        number year
        string language
    }
    class MovieStar {
        string first
        string last
        string name
        number ID
    }
    MovieStar }o--o Movie : starsIn { Movie
    MovieStar {
        string role
    }
    MovieStar }o--o Movie : starsIn { Movie
```

Select one:

- a. Movie
- b. MovieStar
- c. Movie_language
- d. StarsIn
- e. None of the given answers

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Which of the following are true about a Weak entity?

Select one or more:

- a. It depends on another strong entity ✓
- b. It is also a strong entity with a Partial Key ✗
- c. Each entity in the Weak entity-set must participate in at least, and at most one relationship instance with the other side. ✗
- d. It can participate in any kind of relationship as 1:1, 1:M, M:N ✗
- e. It has a Partial Key which is marked using a dashed underline ✓

Jayakodi and 4 others 18:45

ISDM MCQ.pdf
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Which of the following is/are incorrect?

Select one or more:

- a. E-enabled world was enabled by advancement of technology ✓
- b. Increased efficiency and effectiveness of teams was enabled by groupware-office automation systems. ✓
- c. Anytime, anywhere work capability was enabled by wireless, portable devices. ✓
- d. Rapid advances in speed and capacity was enabled by pervasiveness of internet. ✓

Information systems are

Select one:

a.

Disseminateing information.

b.

Essential for businesses.

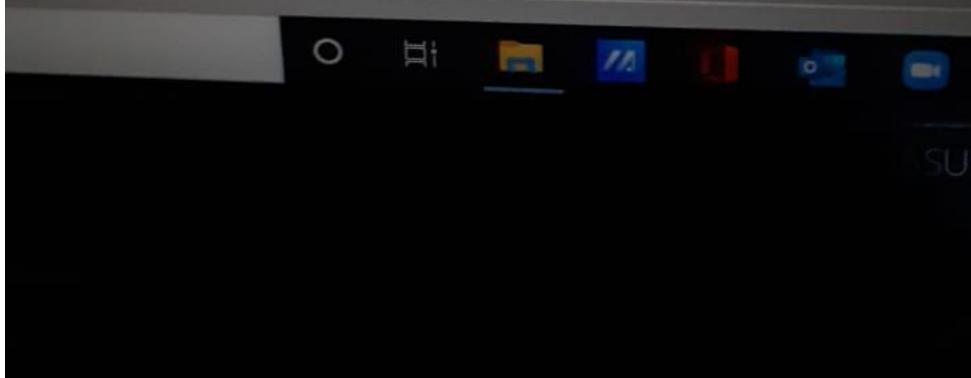
c.

Computerized.

d.

Making decisions.

e. used by IT professionals



You are given the following details as requirements for the database for a leading University.

In the University, there are several departments. Department have a name, phone extension, specific mailing address and Students that belong to the department. Students can belong to exactly one Department and a Department can have more than one or no Students. Students and faculty have names and unique identification numbers, with address, age, gender and other information. Student studies different Courses offered by University. Faculty teaches these Courses. In each semester one student can take more than one course and Faculty can teach more than one course. Each course can be taught by many faculty members or no one.

Construct the ER diagram for the university database and find the answers for the following questions.

1. What are the correct entities for the ER diagram?

- a. Department, Student, Course, Faculty
- b. Department, Student, Course
- c. University, student, course, Faculty
- d. University, Department, Faculty, Student

2. What is an incorrect Relationship for the ER diagram?

- a. Student <belongs to> Department
- b. Student <studies> Course
- c. Faculty <Teaches> Course
- d. Department <managed by> Faculty

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Which of the following can be considered as Candidate Keys for the following Company table?
Company (RegistrationNo, Name, Address, PhoneNumber, E-mail, Type)

Select one or more:

- a. E-mail, Type
- b. Name
- c. E-mail
- d. Name, E-mail
- e. RegistrationNo

Consider the following schema and complete the answer for the following given SQL query by selecting the most appropriate value.

Note: Drag and Drop the correct values from the relevant (color) category

EMPLOYEE | employee_ID , NAME , EMAIL , PHONE_NUMBER , HIRE_DATE , SALARY , DESIGNATION , DEPARTMENT_ID)

Write a query to display the name of the Assistant Manager (designation) who gets the highest salary from among the other Assistant Managers.

SELECT FROM WHERE GROUP BY HAVING

EMPLOYEE employee_ID name phone_number hire_date salary designation

department_id

= IN EXEC >=ALL >=ANY

Assistant Manager Manager designation 'ID'

Sri Lanka Institute of Information Technology

A bank provides an online banking system to their customers with the hope of delivering better performance and responding to its customers & suppliers in real-time. So that they plan to improve their customer base. Which of the following strategic objectives that they would achieve?

Select one:

- a. New products, services, and business models
- b. Improved decision making
- c. Operational excellence
- d. Survival
- e. Competitive advantage

ISDM MCQ.pdf

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- + ⌂ Page view A Read aloud ⌂ Draw ⌂ Highlight ⌂ Erase ⌂

You are given the following details as requirements for the database for a leading University.

In the University, there are several departments. Department have a name, phone extension, specific mailing address and Students that belong to the department. Students can belong to exactly one Department and a Department can have more than one or no Students. Students and faculty have names and unique identification numbers, with address, age, gender and other information. Student studies different Courses offered by University. Faculty teaches these Courses. In each semester one student can take more than one course and Faculty can teach more than one course. Each course can be taught by many faculty members or no one.

Construct the ER diagram for the university database, and select the correct answer for the below questions from the following drop-down menu.

1. What are the correct entities for the ER diagram?

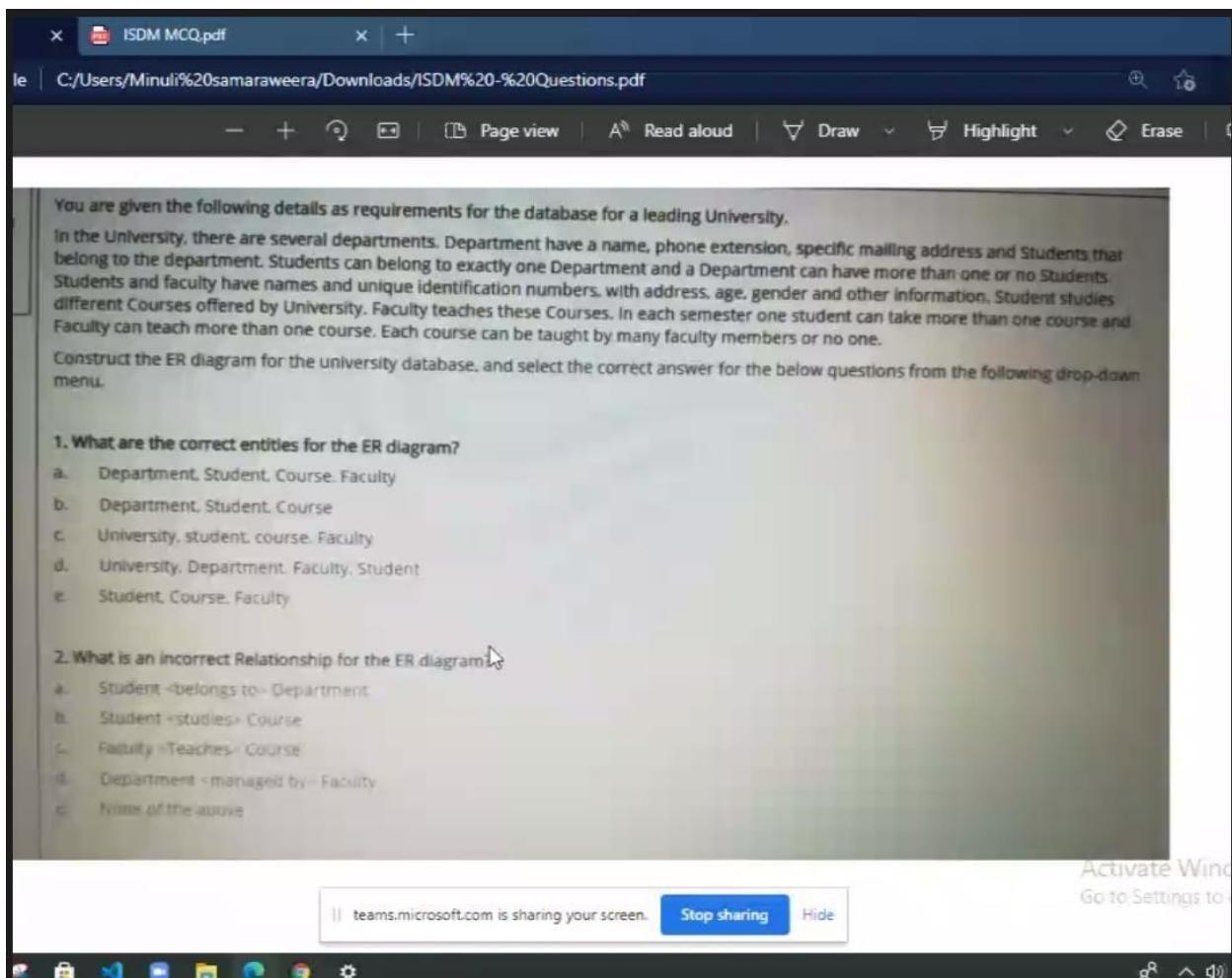
- a. Department, Student, Course, Faculty
- b. Department, Student, Course
- c. University, student, course, Faculty
- d. University, Department, Faculty, Student
- e. Student, Course, Faculty

2. What is an incorrect Relationship for the ER diagram?

- a. Student <belongs to> Department
- b. Student <studies> Course
- c. Faculty >Teaches< Course
- d. Department >managed by< Faculty
- e. None of the above

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|| teams.microsoft.com is sharing your screen. Stop sharing Hide



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Sri Lanka Institute of Information Technology

Question 8
Not yet answered
Marked out of 2.00
Flag question

Which of the following is/ are true about the schema resulted after mapping the below ER diagram to the Relational model?

The ER diagram illustrates the following entities and their relationships:

- Movie**: Entity with attributes `name`, `year`, and `ID`.
- Show**: Entity with attributes `date`, `month`, `year`, `sex`, `ID`, and `ticketOffice`.
- Show attributes**: `startTime`, `has`, `N`, and `date`.
- Relationships**: A one-to-many relationship (`1` to `N`) exists between **Movie** and **Show**, mediated by the `has` relationship.

Select one or more:

- a. The relation 'show' has the movieID as the foreign key
- b. The relation containing 'startTime' attribute has a composite primary key
- c. The relation containing startTime attribute has 2 foreign keys
- d. The relation containing startTime has language as the foreign key
- e. The relation 'show' includes 7 attributes



DONE

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Online Exams

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Which of the following is/are incorrect?

Select one or more:

- a. Increased efficiency and effectiveness of teams was enabled by groupware-office automation systems.
- b. Rapid advances in speed and capacity was enabled by pervasiveness of internet. ~~_____~~
- c. Anytime, anywhere work capability was enabled by wireless, portable devices.
- d. E-enabled world was enabled by advancement of technology.

cloud



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Which of the following is/are incorrect?

Select one or more



1. What are the correct entities for the ER diagram?

- a. Department, Student, Course, Faculty
- b. Department, Student, Course
- c. University, student, course, Faculty
- d. University, Department, Faculty, Student
- e. ~~Student, Course, Faculty~~

2. What is an incorrect Relationship for the ER diagram?

- a. Student <belongs to> Department
- b. Student <studies> Course
- c. Faculty <Teaches> Course
- d. Department <managed by> Faculty
- e. None of the above.

3. Which of the following statements is false?

- a. Department and Student entities participate in a 1:M relationship.

You are given the following details as requirements for the database for a leading University.

In the University, there are several departments. Department have a name, phone extension, specific mailing address and Students that belong to the department. Students can belong to exactly one Department and a Department can have more than one or no Students. Students and faculty have names and unique identification numbers, with address, age, gender and other information. Student studies different Courses offered by University. Faculty teaches these courses. In each semester one student can take more than one course and Faculty can teach more than one course. Each course can be taught by many faculty members or no one.

Construct the ER diagram for the university database, and select the correct answer for the below questions from the following drop-down menu.

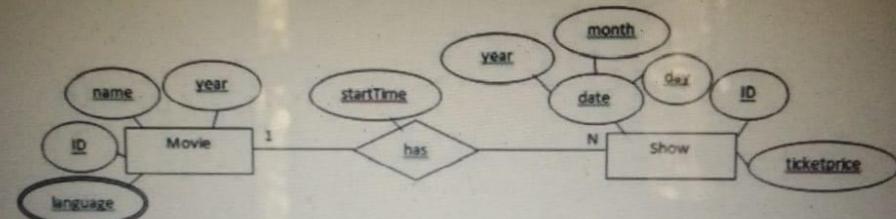
1. What are the correct entities for the ER diagram?

- a. Department, Student, Course, Faculty
- b. Department, Student, Course
- c. University, student, course, Faculty
- d. University, Department, Faculty, Student
- e. ~~Student, Course, Faculty~~

2. What is an incorrect Relationship for the ER diagram?

- a. Student <belongs to> Department

Which of the following is/ are true about the schema resulted after mapping the below ER diagram to the Relational model?



Select one or more:

- a. The relation 'show' has the movieID as the foreign key
- b. The relation containing 'startTime' attribute has a composite primary key
- c. The relation containing startTime attribute has 2 foreign keys
- d. The relation containing startTime has language as the foreign key

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Consider the following schema which provides information about employees and departments

```

    Emp (eid: integer, ename: string, age: integer, salary: real)
    Works (eid: integer, did: integer, percentage_time: integer)
    Dept (did: integer, dname: string, budget: real)
  
```

Find the most suitable SQL query for the given question.

Find the number of employees in each department

Select one:

- a. SELECT COUNT(*) FROM Works;
- b. SELECT did, ALL(*) FROM Works GROUP BY did;
- c. All queries have syntax errors
- d. SELECT did, COUNT(eid) FROM Works GROUP BY eid;
- e. SELECT did, COUNT(*) FROM Works GROUP BY did;

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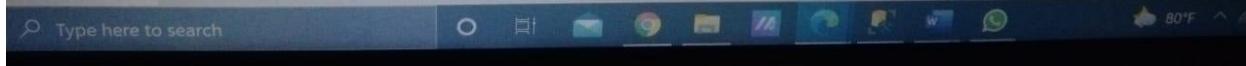
Sri Lanka Institute of Information Technology

Super Aero Engineering uses CAD and CAM systems to construct new aircraft prototypes.

Which of the following is most suitable as a strategic objective of the Super Aero Engineering company?

Select one:

- a. New products, services, and business models
- b. Survival
- c. Customer and supplier intimacy
- d. Operational excellence
- e. Improved decision making



Online Exams

Sri Lanka Institute of Information Technology

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PART

8

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21

Consider the following schema which provides information about items.

Item (item_no, supplier_no, item_name, quantity_in_hand, reorder_level)

Find the most suitable SQL query for the given question.

Find the total number of items supplied by each supplier. Display the item number and supplier number.

Select one:

- a. Select SUM(item_no) as "Total no of items", supplier_no From Item Group by supplier_no, item_no
- b. Select SUM(item_no) as "Total no of items", supplier_no From Item Group by supplier_no
- c. Select COUNT(item_no) as "Total no of Items", supplier_no From Item Group by supplier_no, item_no
- d. select COUNT(item_no) as "Total no of Items", supplier_no From item Group by supplier_no

The screenshot shows a web-based online examination system. At the top, there are four icons: a red X, a green circular arrow, a blue globe, and a white square with a black letter A. Below these is a header bar with the text "Online Exams" and "Sri Lanka Institute of Information Technology". To the left of the main content area, there is a vertical sidebar with some text and a logo. The main content area contains a question: "Microsoft excel is a" followed by "Select one:" and five options labeled a. through e. A large blue 'X' mark is drawn over the right side of the page.

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Online Exams

Sri Lanka Institute of Information Technology

Microsoft excel is a

Select one:

- a. Global Information system
- b. Workgroup Information System
- c. Decision Support System
- d. Personal Information System
- e. Inter-organizational Information system

Consider the following Employee table and the given query.

eno	NIC	ename	address	dnumber
100	901250087V	Smith, John B	731 Fondren, H... 5	
101	895290452V	Wrong, Franklin T.	638 Voss, Houst... 5	
102	923859070V	Zelaya, Alicia J.	33321 Castle, S... 4	
104	904850045V	Narayan, Remesh K.	975 Fire Oak, H... 5	
105	889950600V	English, Joyce A.	5631 Rice, Hous... 1	
106	915850123V	Jabbar, Ahama...	980 Dallas, Hou... 1	

```
SELECT ename FROM Employee  
WHERE ename LIKE'_A%';
```

Which name/s does this query return as answer?

Select one or more:

- a. Wrong, Franklin T.
- b. Zelaya, Alicia J.
- c. Jabbar, Ahama V.
- d. None of the names given
- e. Narayan, Remesh K.

What is/are True related to a Database Management System (DBMS)?

Select one or more:

- a. It does not support Concurrent access to the data in the database
- b. It supports in managing the data in the database
- c. Achieving Program-Data Independence is not possible with it
- d. It is a software package designed to define, manipulate, retrieve data in a database
- e. In order to maintain the integrity of the data in a database, It supports to define rules on data

Question 1
Not yet answered
Marked out of 4.00
[Flag question](#)

Which of the following statement(s) is/are true about the given ER diagram?

The ER diagram illustrates a many-to-many relationship between two entities: Pilot and Plane. A diamond-shaped relationship symbol is positioned between them, labeled "operates". The multiplicity "N" is indicated at the Pilot end, and the multiplicity "M" is indicated at the Plane end. Four attributes are associated with this relationship: PId (Primary Key for Pilot), PName (Name of Pilot), Plane_Id (Primary Key for Plane), and Model (Model of Plane). Additionally, there is a self-referencing relationship for the Pilot entity, represented by an oval labeled "PAddress" connected to the Pilot entity.

Select one or more:

- a. The given relationship is a Ternary relationship
- b. A pilot is allowed to operate many planes
- c. pName and Model are two Entities
- d. The Degree of the relationship is 2
- e. A plane can be operated by many pilots

[Next](#)



_____ operator is used to compare a value to a list of literals values that have been specified.

Select one:

- A. IN
- B. BETWEEN
- C. Like
- D. COMPARE

The screenshot shows a question from the NetExamination platform. The question is: "Which of the following is/are TRUE with respect to Enterprise Systems?" It is a multiple-choice question with five options. The user has selected options b, c, and e. The interface includes a sidebar with "Question 1" and "Not yet answered".

Question 1
Not yet answered
Marked out of 1.00
Flag question

NetExamination
Sri Lanka Institute of Information Technology

Which of the following is/are TRUE with respect to Enterprise Systems?

Select one or more:

- a. Represent the knowledge and decision-making skills of specialists
- b. Support the business processes across any functional boundaries that exist within the organisation
- c. Main elements are ERP, CRM, SCM and SRM
- d. Computer systems that emulate the decision-making ability of a human expert
- e. Used to manage the administrative functions in an office environment

NetExam
Sri Lanka Institute of Information Technology

Consider the following Employee table and the given query.

eno	NIC	ename	address	dnumber
100	901250087V	Smith, John B	731 Fondren, H... 5	
101	895290452V	Wrong, Franklin...	638 Voss, Houst... 5	
102	923859070V	Zelaya, Alicia J.	33321 Castle, S... 4	
104	904850045V	Narayan, Reme...	975 Fire Oak, H... 5	
105	889950600V	English, Joyce A.	5631 Rice, Hous... 1	
106	915850123V	Jabbar, Ahama...	980 Dallas, Hou... 1	

SELECT ename FROM Employee
WHERE ename LIKE'_A%';

Which name/s does this query return as answer?

Select one or more:

- a. Jabbar, Ahamad V.
- b. Narayan, Remesh K.
- c. Zelaya, Alicia J.
- d. Wrong, Franklin T.
- e. None of the names given



Which of the following is/are TRUE with respect to Expert Systems?

Select one or more:

- a. Used to manage the administrative functions in an office environment
- b. Based on Artificial Intelligence technologies
- c. Kind of enterprise systems
- d. Represent the knowledge and decision-making skills of specialists
- e. Computer systems that emulate the decision-making ability of a human expert

X | ⓘ | ⌂

NetExam

Sri Lanka Institute of Information Technology

Which of the following are true related to the following Relationship?

```
graph LR; Student[Student] -- M --> registers{registers}; registers -- 1 --> Course[Course]
```

Select one or more:

- a. The Degree of the relationship is 3
- b. Cardinality ratio of the relationship is 1:M from Course to Student
- c. An entity in the Student entity-set can make only one relationship instance with the other side
- d. This is not a Binary relationship
- e. An entity in the Course entity-set can make only one relationship instance with the other side

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F1 F2 F3 F4 F5 F6 F7 F8 F9 F10 F11 F12

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The image shows a screenshot of a computer screen displaying a software application titled "NetExam". The application has a blue header bar with the title "NetExam" and the subtitle "Sri Lanka Institute of Information Technology". Below the header, there is a question card with a light gray background. The question asks: "A 'Descriptive Attribute' can be explained as". Below the question, it says "Select one:" followed by four options, each preceded by a radio button:

- a. An attribute containing multiple values
- b. An attribute which is derived by using another entity
- c. An attribute describing an entity
- d. An attribute which records information about the relationship

Question 7
Not yet answered
Marked out of 8.00
 Flag question

Read the following paragraph and answer the questions below.

Library information system at SLIIT provides the facility to borrow books for studies. Library catalogue is constantly updated to accommodate resource materials relating to new developments in core teaching areas. The newly added material can be a book, a journal, a CD or an article. Member registration needs students to deposit refundable amount of Rs.5000. It is not required for the staff members. Borrowing involves, selecting the desired material from the library by the member and library assistant recording it against the student ID or the employee ID. Borrowing process automatically generates the returning date relevant to the borrowing transaction. Returning involves, submitting the material on the returning date by the student/staff member, calculating fines if any and recording the returning transaction in the system by the library assistant. At the end of the day, librarian generates the daily transaction report from the system.

Select the correct answer for the following questions, using the drop-down menu.

1. Which of the following is a direct user of the SLIIT library information system?

a) Student
b) Staff member
c) Library assistant
d) Material supplier
e) Librarian

2. Which of the following statements are related to the input function of the SLIIT library system?

a) Periodically, the system reports on the books available, books overdue and memberships
b) Calculates fines for overdue books
c) Check for valid membership
d) Refunds the deposit amount after completing the degree
e) Captures student ID and Book ID before issuing the book to the student
f) Captures employee ID and Book ID before returning the book by the staff member

3. Which of the following is NOT an output of SLIIT library system?

a) Daily transaction report

Quiz navigation
Finish attempt
Time left 0:45
INSTRUCTION
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1 2
9 10
EXAM CONCE
15

Question 7
Not yet answered
Marked out of 4.00
 Flag question

Consider the following Employee table and the given query.

eno	NIC	ename	address	dnumber
100	901250087V	Smith,John B	731 Fondren, H... 5	
101	895290452V	Wrong, Franklin T.	638 Voss, Houst... 5	
102	923859070V	Zelaya, Alicia J.	33321 Castle, S... 4	
104	904850045V	Narayan, Remesh K.	975 Fire Oak, H... 5	
105	889950600V	English, Joyce A.	5631 Rice, Hous... 1	
106	915850123V	Jabbar, Ahama...	980 Dallas, Hou... 1	

SELECT ename FROM Employee
WHERE ename LIKE'_A%';

Which name/s does this query return as answer?

Select one or more:

a. Jabbar, Ahama...

b. Zelaya, Alicia J.

c. None of the names given

d. Narayan, Remesh K.

e. Wrong, Franklin T.

Analyze the following scenario and select the correct answer for the following questions.

A Pharmaceutical company plans to conduct a double-blind test of a new drug. They will involve about 20 doctors and about 400 patients. The company will need to track patient information from their first screening through each of their interviews. Doctors need to be able to see their own patient's information, but not other doctor's patients. Patients should be able to see their own medical profile, the doctor's notes, and nothing else. Only the two researchers should be able to see everything. At present they are on discussion of the approach they should use for data storage. They have considered two options as; a Shared Excel sheet over the Cloud Storage and Database approach.

1. Do you think it is necessary for them to go for the Database approach? Yes

2. What is the main advantage (if the answer for above is Yes) or the disadvantage (if the answer for above is No) the database approach would have over the other approach? Concurrent Access Ability

3. If the database approach were used, where would you find the names of the data items (such as Doctors, Patients...) stored and any connections between the data items, in the Three-schema architecture of the DBMS? Choose...
Choose...
Physical Schema
Conceptual Schema
External Schema

4. If the database approach were used, and if Database Administrator identifies the need to encrypt some of the sensitive data related to patients, he will be able to do the change without effecting the upper levels of the Three-schema architecture. This property is known as Choose...
Choose...
Physical Data Independence
Logical Data Independence

Next page

1. Do you think it is necessary for them to go for the Database approach? Yes

2. What is the main advantage (if the answer for above is Yes) or the disadvantage (if the answer for above is No) the database approach would have over the other approach? Concurrent Access Ability

3. If the database approach were used, where would you find the names of the data items (such as Doctors, Patients...) stored and any connections between the data items, in the Three-schema architecture of the DBMS? Physical Schema

4. If the database approach were used, and if Database Administrator identifies the need to encrypt some of the sensitive data related to patients, he will be able to do the change without effecting the upper levels of the Three-schema architecture. This property is known as Choose...
Choose...
Physical Data Independence
Logical Data Independence

Next page

- 1. Which of the following is a direct user of the SLIIT library information system?**
- a) Student
 - b) Staff member
 - c) Library assistant
 - d) Material supplier
 - e) Librarian
- 2. Which of the following statements are related to the input function of the SLIIT library system?**
- a) Periodically, the system reports on the books available, books overdue and memberships
 - b) Calculates fines for overdue books
 - c) Check for valid membership
 - d) Refunds the deposit amount after completing the degree
 - e) Captures student ID and Book ID before issuing the book to the student
 - f) Captures employee ID and Book ID before returning the book by the staff member
- 3. Which of the following is NOT an output of SLIIT library system?**
- a) Daily transaction report
 - b) Reports on the books available
 - c) Reports on the books overdue
 - d) List of memberships
 - e) Salary slip of the library assistant

Google

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Select a query that retrieves all of the unique course names from the student table?

Select one:

- a. SELECT DISTINCT coursename FROM TABLE studentinfo;
- b. SELECT UNIQUE coursename FROM studentinfo;
- c. SELECT DISTINCT coursename FROM studentinfo;
- d. SELECT INDIVIDUAL coursename FROM studentinfo;

msi

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Question 8
Not yet answered
Marked out of 5.00
 Flag question

Consider the following schema which provides information about employees and departments

```

    Emp (eid: integer, ename: string, age: integer, salary: real)
    |
    Works (eid: integer, did: integer, percentage_time: integer)
    |
    Dept (did: integer, dname: string, budget: real)
  
```

Find the most suitable SQL query for the given question.

Find the names of employees who works in a department which has a budget over Rs. 50,000.00

Select one:

- a. SELECT e.ename FROM emp e, Dept d WHERE d.budget>50000;
- b. SELECT e.ename FROM emp e, works w, Dept d WHERE e.eid=w.eid AND w.did=d.did HAVING d.budget>50000;
- c. SELECT e.ename FROM emp e, works w, Dept d WHERE e.eid=w.eid AND w.did=d.did AND d.budget>50000;
- d. SELECT e.ename FROM emp e, works w, Dept d WHERE d.budget>50000;
- e. All queries have syntax errors

Quiz nav
Finish attempt
Time left: 0:35:24
INSTRUCTIONS
EXAM QUESTIONS
1 2 3
9 10 11
EXAM CONCERN
15

Sri Lanka Institute of Information Technology

Question 8
Not yet answered
Marked out of 5.00
 Flag question

Consider the following schema which provides information about employees and departments

```

    Emp (eid: integer, ename: string, age: integer, salary: real)
    |
    Works (eid: integer, did: integer, percentage_time: integer)
    |
    Dept (did: integer, dname: string, budget: real)
  
```

Find the most suitable SQL query for the given question.

Find the names of employees who works in either the department with did 10 or did 20

Select one:

- a. SELECT e.ename FROM emp e, works w WHERE w.did=10 OR w.did=20;
- b. SELECT e.ename FROM emp e, works w WHERE e.eid=w.eid AND (w.did=10 OR w.did=20);
- c. SELECT e.ename FROM emp e, works w HAVING e.eid=w.eid AND w.did=10 AND w.did=20;
- d. All queries have syntax errors
- e. SELECT e.ename FROM emp e, works w HAVING w.did=10 OR w.did=20;

Question 9
Not yet answered
Marked out of 4.00
 Flag question

Consider the following Employee table and the given query.

eno	NIC	ename	address	dnumber
100	901250087V	Smith,John B	731 Fondren, H...	5
101	895290452V	Wrong, Franklin...	638 Voss, Houst...	5
102	923859070V	Zelaya, Alicia J.	33321 Castle, S...	4
104	904850045V	Narayan, Reme...	975 Fire Oak, H...	5
105	889950600V	English, Joyce A.	5631 Rice, Hous...	1
106	915850123V	Jabbar, Ahama...	980 Dallas, Hou...	1

SELECT ename FROM Employee

WHERE ename LIKE'%me%';

Which names does this query return?

Select one or more:

- a.
Narayan, Remesh K.
- b.
Wrong, Franklin T.
- c. None of the given names
- d. Jabbar, Ahamad V.
- e.
Zelaya, Alicia J.

A "Descriptive Attribute" can be explained as

Select one:

- a. An attribute describing an entity
- b. An attribute which records information about the relationship
- c. An attribute containing multiple values
- d. An attribute which is derived by using another entity

- a) Periodically, the system reports on the books available, due dates, fines etc.
- b) Calculates fines for overdue books
- c) Check for valid membership
- d) Refunds the deposit amount after completing the degree
- e) Captures student ID and Book ID before issuing the book to the student
- f) Captures employee ID and Book ID before returning the book by the staff member

3. Which of the following is NOT an output of SLIIT library system?

- a) Daily transaction report
- b) Reports on the books available
- c) Reports on the books overdue
- d) List of memberships
- e) Salary slip of the library assistant

1. Which of the following is a direct user of the SLIIT library information system?

c ▾



2. Which of the following statements are related to the input function of the SLIIT library system?

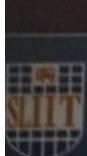
b ▾

3. Which of the following is NOT an output of SLIIT library system?

e ▾

Next page

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Select a query that retrieves all of the unique course names from the student table?

Select one:

- a. SELECT UNIQUE coursename FROM studentinfo;
- b. SELECT DISTINCT coursename FROM studentinfo;
- c. SELECT INDIVIDUAL coursename FROM studentinfo;
- d. SELECT DISTINCT coursename FROM TABLE studentinfo;

**Question 10**

Not yet answered

Marked out of
4.00

Flag question

Select a query that retrieves all of the unique course names from the student table?

Select one:

- a. SELECT DISTINCT coursename FROM studentinfo;
- b. SELECT DISTINCT coursename FROM TABLE studentinfo;
- c. SELECT UNIQUE coursename FROM studentinfo;
- d. SELECT INDIVIDUAL coursename FROM studentinfo;

Question 11

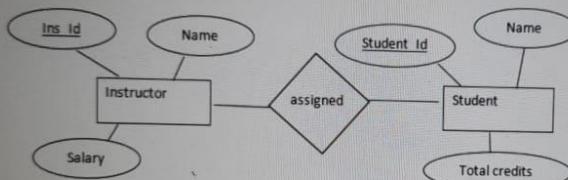
Not yet answered

Marked out of
4.00

Flag question

Identify correct cardinalities for following ER diagram, based on the following scenario.

'There are multiple instructors assigned to each student. An instructor will be allocated to many students.'



Select one:

- a. 1:M or M:N
- b. M:N
- c. 1:M
- d. 1:1 or 1:M
- e. 1:1

[Next page](#)

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12
answered
out of
question

Which of the following is/are TRUE with respect to Expert Systems?

Select one or more:

a. Computer systems that emulate the decision-making ability of a human expert
 b. Used to manage the administrative functions in an office environment
 c. Based on Artificial Intelligence technologies
 d. Kind of enterprise systems
 e. Represent the knowledge and decision-making skills of specialists

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Which of the following is/are TRUE with respect to Expert Systems?

Select one or more:

a. Computer systems that emulate the decision-making ability of a human expert
 b. Kind of enterprise systems
 c. Represent the knowledge and decision-making skills of specialists
 d. Used to manage the administrative functions in an office environment
 e. Based on Artificial Intelligence technologies

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Consider the following schema which provides information about employees and departments

```
graph TD; Emp["Emp (eid: integer, ename: string, age: integer, salary: real)"] --> Works["Works (eid: integer, did: integer, percentage_time: integer)"]; Works --> Dept["Dept (did: integer, dname: string, budget: real)"]
```

Find the most suitable SQL query for the given question.
Find the names of employees who works in either the department with did 10 or did 20

Select one:

- a. SELECT e.ename FROM emp e, works w HAVING e.eid=w.eid AND w.did=10 AND w.did=20;
- b. SELECT e.ename FROM emp e, works w HAVING w.did=10 OR w.did=20;
- c. SELECT e.ename FROM emp e, works w WHERE w.did=10 OR w.did=20;
- d. All queries have syntax errors
- e. SELECT e.ename FROM emp e, works w WHERE e.eid=w.eid AND (w.did=10 OR w.did=20);

msi

Question 9
Not yet answered
Marked out of 0.00
Flag question

Consider the following schema which provides information about employees and departments.

```
graph TD; Emp["Emp (eid: integer, ename: string, age: integer, salary: real)"] --> Works["Works (eid: integer, did: integer, percentage_time: integer)"]; Works --> Dept["Dept (did: integer, dname: string, budget: real)"]
```

Find the most suitable SQL query for the given question.
Find the names of employees who works in either the department with did 10 or did 20.

Select one:

- a. All queries have syntax errors
- b. SELECT e.ename FROM emp e, works w WHERE e.eid=w.eid AND (w.did=10 OR w.did=20);
- c. SELECT e.ename FROM emp e, works w WHERE w.did=10 OR w.did=20;
- d. SELECT e.ename FROM emp e, works w HAVING e.eid=w.eid AND w.did=10 AND w.did=20;
- e. SELECT e.ename FROM emp e, works w HAVING w.did=10 OR w.did=20;

Next page

Question 10
Not yet answered
Marked out of 0.00
Flag question

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What is/are True related to a Database Management System (DBMS)?

Select one or more:

- a. It supports in managing the data in the database
- b. It is a software package designed to define, manipulate, retrieve data in a database
- c. In order to maintain the integrity of the data in a database, It supports to define rules on data
- d. It does not support Concurrent access to the data in the database
- e. Achieving Program-Data Independence is not possible with it

Next page



Question 13

Not yet answered

Marked out of
2.00

Flag question

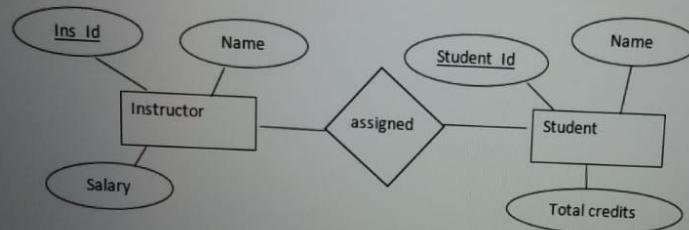
The result of a SQL SELECT statement is a(n) _____.

Select one:

- A. form
- B. file
- C. report
- D. table

13
answered
out of
question

Identify correct cardinalities for following ER diagram, based on the following scenario.
'There are multiple instructors assigned to each student. An instructor will be allocated to many students.'



Select one:

- a. M:N
- b. 1:1 or 1:M
- c. 1:M
- d. 1:1
- e. 1:M or M:N

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Question 9
Not yet answered
Marked out of 2.00
[Flag question](#)

Select a query that retrieves all of the unique course names from the student table?

Select one:

a. SELECT DISTINCT coursename FROM studentinfo;
 b. SELECT INDIVIDUAL coursename FROM studentinfo;
 c. SELECT UNIQUE coursename FROM studentinfo;
 d. SELECT DISTINCT coursename FROM TABLE studentinfo;

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Question 8
Not yet answered
Marked out of 2.00
[Flag question](#)

The SQL statement that queries or reads data from a table is _____

Select one:

A. READ
 B. QUERY
 C. SELECT
 D. None of the given answers is correct.

Question 10
Not yet answered
Marked out of
2.00
Flag question

Consider the following Employee table and the given query.

eno	NIC	ename	address	dnumber
100	901250087V	Smith,John B	731 Fondren, H... 5	
101	895290452V	Wrong, Franklin...	638 Voss, Houst... 5	
102	923859070V	Zelaya, Alicia J.	33321 Castle, S... 4	
104	904850045V	Narayan, Reme...	975 Fire Oak, H... 5	
105	889950600V	English, Joyce A.	5631 Rice, Hous... 1	
106	915850123V	Jabbar, Ahama...	980 Dallas, Hou... 1	

SELECT ename FROM Employee

WHERE ename LIKE'%me%';

Which names does this query return?

Select one or more:

- a.
Wrong, Franklin T.
- b.
Narayan, Remesh K.
- c. None of the given names
- d.
Zelaya, Alicia J.
- e. Jabbar, Ahamed V.

SLIIT **Examination**
Sri Lanka Institute of Information Technology

Question 8
Not yet answered
Marked out of
2.00
Flag question

A "Quaternary Relationship" is a relationship with,

Select one:

- a. Four participating entities
- b. None of the above
- c. Two participating entities
- d. Three participating entities

Sri Lanka Institute of Information Technology

Question 7
Not yet answered
Marked out of 4.00
Flag question

Consider the following Employee table and the given query.

eno	NIC	ename	address	dnumber
101	901250087V	Smith,John B	731 Fondren, H...	5
101	895290452V	Wrong, Franklin T.	638 Voss, Houst...	5
102	923859070V	Zelaya, Alicia J.	3321 Castle, S...	4
104	904850045V	Narayan, Remesh K.	975 Fire Oak, H...	5
105	889950600V	English, Joyce A.	5631 Rice, Hous...	1
106	915850123V	Jabbar, Ahama...	980 Dallas, Hou...	1

SELECT ename FROM Employee
WHERE ename LIKE '_A%';

Which name/s does this query return as answer?

Select one or more:

- a. Narayan, Remesh K.
- b. None of the names given
- c. Zelaya, Alicia J.
- d. Jabbar, Ahama...
- e. Wrong, Franklin T.

Module

2. Output of the borrowing process is,

- a) Student ID/Employee ID
- b) Book title
- c) Book ID
- d) Returning date
- e) Deposit amount

3. Which of the following statement/s is/are related to the processing function of the SLIIT library system?

- a) Periodically, the system reports on the books available, books overdue and membership
- b) Calculates fines for overdue books
- c) Checks for valid membership
- d) Refunds the deposit amount after completing the degree
- e) Captures student ID and Book ID before issuing the book to the student
- f) Captures employee ID and Book ID before returning the book by the staff member

1. Inputs for the member registration process are,

2. Output of the borrowing process is,

3. Which of the following statement/s is/are related to the processing function of the SLIIT library system?

a. E

d. c. o

2. Output of the borrowing process is,

- a) Student ID/employee ID
- b) Book title
- c) Book ID
- d) Returning date
- e) Deposit amount

3. Which of the following statement/s is/are related to the processing function of the SLIIT library system?

- a) Periodically, the system reports on the books available, books overdue and membership
- b) Calculates fines for overdue books
- c) Checks for valid membership
- d) Refunds the deposit amount after completing the degree
- e) Captures student ID and Book ID before issuing the book to the student
- f) Captures employee ID and Book ID before returning the book by the staff member

1. Inputs for the member registration process are,

2. Output of the borrowing process is,

3. Which of the following statement/s is/are related to the processing function of the SLIIT library system?

Anuradha Jayasinghe
Sri Lanka Institute of Information Technology

Question 4
2000 yet answered
Marked out of 2000

Analyze the following scenario and select the correct answer for the following questions.

Lecturers in a well-established campus with many faculties, maintain their student assessment/exam grades in Excel Sheets. They maintain a separate spreadsheet for every module they teach. In the spreadsheet they track the scores for every assignment and test. Then assign term grade for the module. The Examinations department of the campus has to request student grades for the modules from the relevant lectures after each exam, to finalize the student's final grades for the term. Also the Management plans to get important statistics based on student exam marks and to analyze them with the aim of improving the quality of the education provided.

INSTRUCTIONS

Finish attempt...
Time left 0:41:04

EXAM QUESTIONS

1 2 3 4
8 9 10 11
15

EXAM CONCERNING

1. Do you think it is necessary for them to go for the Database approach?

2. What is the main advantage (if the answer for above is Yes) or the disadvantage (if the answer for above is No) the database approach would have over the current system?

3. If the database approach were used, the Database Administrator need to identify a suitable data storage method. In the Three-schema architecture of the DBMS where would you find details of the storage method used?

4. If the database approach were used, and if Database Administrator identifies the need to move to a new data storage method which is much more efficient, he will be able to do the change without effecting the upper levels of the Three-schema architecture. This property is known as

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14
Answered
out of
question

Read the following paragraph and answer the questions below.

Library information system at SLIIT provides the facility to borrow books for studies. Library catalogue is constantly updated to accommodate resource materials relating to new developments in core teaching areas. The newly added material can be a book, a standard, a journal, a CD or an article. Member registration needs students to deposit refundable amount of Rs.5000. It is not required for the staff members. Borrowing involves, selecting the desired material from the library by the member and library assistant recording it against the student ID or the employee ID. Borrowing process automatically generates the returning date relevant to the borrowing transaction. Returning involves, submitting the material on the returning date by the student/staff member, calculating fines if any and recording the returning transaction in the system by the library assistant. At the end of the day, librarian generates the daily transaction report from the system.

Select the correct answer for the following questions, using the drop-down menu.

1. Inputs for the member registration process are,

- a) Student ID/employee ID
- b) Book title
- c) Book ID
- d) Returning date
- e) Deposit amount

2. Output of the borrowing process is,

- a) Student ID/employee ID
- b) Book title
- c) Book ID

Quiz nav

Finish attempt ..

Time left 0:19:40

INSTRUCTIONS

EXAM QUESTIO

1	2	3
9	10	11

EXAM CONCERN

15

1. Inputs for the member registration process are,

- a) Student ID/employee ID
- b) Book title
- c) Book ID
- d) Returning date
- e) Deposit amount

2. Output of the borrowing process is,

- a) Student ID/employee ID
- b) Book title
- c) Book ID
- d) Returning date
- e) Deposit amount

3. Which of the following statement/s is/are related to the processing function of the SLIIT library system?

- a) Periodically, the system reports on the books available, books overdue and membership
- b) Calculates fines for overdue books
- c) Checks for valid membership
- d) Refunds the deposit amount after completing the degree
- e) Captures student ID and Book ID before issuing the book to the student
- f) Captures employee ID and Book ID before returning the book by the staff member

EXAM QUESTIONS

1	2	3	4	5	6	7
9	10	11	12	13	14	

EXAM CONCERN

15

1. Inputs for the member registration process are,

2. Output of the borrowing process is,

3. Which of the following statement/s is/are related to the processing function of the SLIIT library system?

Which of the following statements are related to the input function of the SLIIT library system?

- a. It generates fines for overdue books
- b. It checks for valid membership
- c. It is the deposit amount after completing the degree
- d. It requires student ID and Book ID before issuing the book to the student
- e. It requires employee ID and Book ID before returning the book by the staff member

Which of the following is NOT an output of SLIIT library system?

- a. Daily transaction report
- b. Reports on the books available
- c. Reports on the books overdue
- d. List of memberships
- e. Salary slip of the library assistant

Which of the following is a direct user of the SLIIT library information system?

 e

Which of the following statements are related to the input function of the SLIIT library system?

 e, f

Which of the following is NOT an output of SLIIT library system?

 e

ASUS VivoBook



the SLIIT library system?

membership

member

- Choose...
- c
- d
- a
- b, c
- b, c, d
- b
- a, e
- e

in of the SLIIT library system?

Choose... ▾

Next page



1. Which of the following is a direct user of the SLIIT library information system?
- a) Student
 - b) Staff member
 - c) Library assistant
 - d) Material supplier
 - e) Librarian
2. Which of the following statements are related to the input function of the SLIIT library system?
- a) Periodically, the system reports on the books available, books overdue and memberships
 - b) Calculates fines for overdue books
 - c) Check for valid membership
 - d) Refunds the deposit amount after completing the degree
 - e) Captures student ID and Book ID before issuing the book to the student
 - f) Captures employee ID and Book ID before returning the book by the staff member
3. Which of the following is NOT an output of SLIIT library system?
- a) Daily transaction report
 - b) Reports on the books available
 - c) Reports on the books overdue
 - d) List of memberships
 - e) Salary slip of the library assistant



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on 10
answered
d out of
g question

What is/are true related to Relational Database Management Systems (RDBMS)?

Select one or more:

- a. It is based on the 'relational model' introduced by E.F. Codd
- b. Enable users to manage predefined data relationships across multiple databases.
- c. Relational databases work on tables which has a 'key' field that uniquely indicates each row of the table
- d. It supports the storage of real world data as 'objects'
- e. Database management systems like SQL, MS SQL Server are based on the 'relational model'

X

NetExam

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Identify correct cardinalities for following ER diagram, based on the following scenario.
'There are multiple instructors assigned to each student. An instructor will be allocated to many students.'

```
erDiagram
    class Instructor {
        string Ins_Id;
        string Name;
        number Salary;
    }
    class Student {
        string Student_Id;
        string Name;
        number Total_credits;
    }
    Instructor }o--o Student : assigned
```

Select one:

- a. 1:M
- b. 1:M or M:N
- c. 1:1
- d. M:N
- e. 1:1 or 1:M

msi

w | e | r | t | y | u | i | o | p |

Sri Lanka Institute of Information Technology

Question 11
Not yet answered
Marked out of 4.00
 Flag question

Identify correct cardinalities for following ER diagram, based on the following scenario.
"There are multiple instructors assigned to each student. An instructor will be allocated to many students."

```

    erDiagram
        {
            "Instructor" : {
                "insId" : {
                    "type" : "string"
                },
                "name" : {
                    "type" : "string"
                },
                "salary" : {
                    "type" : "number"
                }
            },
            "Student" : {
                "studentId" : {
                    "type" : "string"
                },
                "name" : {
                    "type" : "string"
                },
                "totalCredits" : {
                    "type" : "number"
                }
            },
            "Instructor" }o--o "Student" : {
                "assigned"
            }
        }
    
```

Select one:

- a. 1:M or M:N
- b. M:N
- c. 1:1 or 1:M
- d. 1:M
- e. 1:1

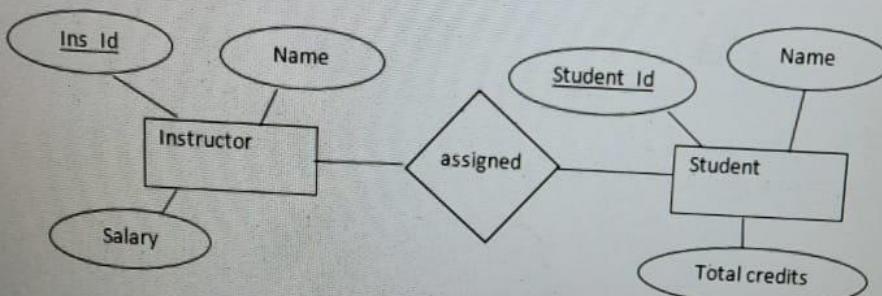
Analyze the following scenario and select the correct answer for the following questions.

A Pharmaceutical company plans to conduct a double-blind test of a new drug. They will involve about 20 doctors and about 400 patients. The company will need to track patient information from their first screening through each of their interviews. Doctors need to be able to see their own patient's information, but not other doctor's patients. Patients should be able to see their own medical profile, the doctor's notes, and nothing else. Only the two researchers should be able to see everything. At present they are on discussion of the approach they should use for data storage. They have considered two options as; a Shared Excel sheet over the Cloud Storage and Database approach.

1. Do you think it is necessary for them to go for the Database approach?
2. What is the main advantage (if the answer for above is Yes) or the disadvantage (if the answer for above is No) the database approach would have over the other approach?
3. If the database approach were used, where would you find the names of the data items (such as Doctors, Patients...) stored and any connections between the data items, in the Three-schema architecture of the DBMS?
4. If the database approach were used, and if Database Administrator identifies the need to encrypt some of the sensitive data related to patients, he will be able to do the change without effecting the upper levels of the Three-schema architecture. This property is known as

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Identify correct cardinalities for following ER diagram, based on the following scenario.
'Only one instructor is assigned to each student. An instructor will be allocated to many students.'



```
erDiagram
    class Instructor {
        string Ins_Id;
        string Name;
        number Salary;
    }
    class Student {
        string Student_Id;
        string Name;
        number Total_credits;
    }
    Instructor }o--o{ Student : assigned
```

Select one:

- a.
1:1
- b.
1:M
- c.
1:M or M:N
- d.
M:N
- e.
1:1 or 1:M

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Lecture

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Question 13
Not yet answered
Marked out of 0
Flag question

Identify correct cardinalities for following ER diagram, based on the following scenario.
'Only one instructor is assigned to each student. An instructor will be allocated to many students.'

ER Diagram:

```
graph LR; subgraph Instructor ["Instructor"]; direction TB; InsId([Ins_Id]); Name1([Name]); end; subgraph Student ["Student"]; direction TB; StudentId([Student_Id]); Name2([Name]); end; InsId --- Name1; InsId --- Salary([Salary]); StudentId --- Name2; StudentId --- TotalCredits([Total credits]); InsId -- "assigned" --> StudentId;
```

Select one:

- a.
1:1 or 1:M
- b.
1:M or M:N
- c.
1:1
- d.
M:N
- e.
1:M

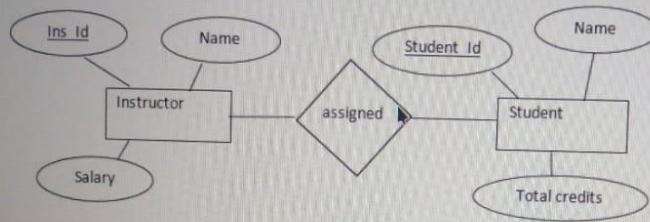
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Question 14

Not yet answered
Marked out of
4.00

Flag question

Identify correct cardinalities for following ER diagram, based on the following scenario.
'Only one instructor is assigned to each student. An instructor will be allocated to many students.'



Select one:

- a.
1:1
- b.
1:M
- c.
1:M or M:N
- d.
M:N
- e.
1:1 or 1:M

**Question 12**

Not yet answered
Marked out of
5.00

Flag question

Consider the following schema which provides information about employees and departments

```

    Emp (eid: integer, ename: string, age: integer, salary: real)
    |
    Works (eid: integer, did: integer, percentage_time: integer)
    |
    Dept (did: integer, dname: string, budget: real)
  
```

Find the most suitable SQL query for the given question.

Find the names of employees who works in either the department with did 10 or did 20

Select one:

- a. SELECT e.ename FROM emp e, works w HAVING e.eid=w.eid AND w.did=10 AND w.did=20;
- b. SELECT e.ename FROM emp e, works w WHERE w.did=10 OR w.did=20;
- c. SELECT e.ename FROM emp e, works w HAVING w.did=10 OR w.did=20;
- d. All queries have syntax errors
- e. SELECT e.ename FROM emp e, works w WHERE e.eid=w.eid AND (w.did=10 OR w.did=20);



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The SQL statement that queries or reads data from a table is _____

Select one:

- A. QUERY
- B. None of the given answers is correct
- C. SELECT
- D. READ



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question

Select a query that retrieves all of the unique course names from the student table?

Select one:

- a. SELECT INDIVIDUAL coursename FROM studentinfo;
- b. SELECT DISTINCT coursename FROM TABLE studentinfo;
- c. SELECT UNIQUE coursename FROM studentinfo;
- d. SELECT DISTINCT coursename FROM studentinfo;



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What is/are true related to Relational Database Management Systems (RDBMS)?

Select one or more:

- a. Enable users to manage predefined data relationships across multiple databases.
- b. Relational databases work on tables which has a 'key' field that uniquely indicates each row of the table
- c. It supports the storage of real world data as 'objects'
- d. Database management systems like SQL, MS SQL Server are based on the 'relational model'
- e. It is based on the 'relational model' introduced by E.F. Codd

Next

In an SQL SELECT statement querying a single table, the asterisk (*) means that:

Select one:

- A. All records meeting the full criteria are to be returned.
- B. None of the above is correct.
- C. All columns of the table are to be returned.
- D. All records with even partial criteria met are to be returned.

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12
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Which of the following are true related to the following Relationship?



Select one or more:

- a. The Degree of the relationship is 3
- b. Cardinality ratio of the relationship is 1:M from Course to Student
- c. An entity in the Student entity-set can make only one relationship instance with the other side
- d. An entity in the Course entity-set can make only one relationship instance with the other side
- e. This is not a Binary relationship

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The clause in SQL that specifies that the query result should be sorted in ascending or descending order based on the values of one or more columns is

Select one:

- A. Group by
- B. Order by
- C. View
- D. Having

Next page 



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Select a query that retrieves all of the unique course names from the student table?

Select one:

- a. SELECT DISTINCT coursename FROM TABLE studentinfo;
- b. SELECT INDIVIDUAL coursename FROM studentinfo;
- c. SELECT UNIQUE coursename FROM studentinfo;
- d. SELE~~T~~ DISTINCT coursename FROM studentinfo;

What is/are True related to a Database Management System (DBMS)?

Select one or more:

- a. It supports in managing the data in the database
- b. It does not support Concurrent access to the data in the database
- c. It is a software package designed to define, manipulate, retrieve data in a database
- d. Acheiving Program-Data Independance is not possible with it
- e. In order to maintain the intergity of the data in a database, It supports to define rules on data

d) Returning date
e) Deposit amount

3. Which of the following statement/s is/are related to the processing function of the SLIIT library system?

a) Periodically, the system reports on the books available, books overdue and membership
b) Calculates fines for overdue books
c) Checks for valid membership
d) Refunds the deposit amount after completing the degree
e) Captures student ID and Book ID before issuing the book to the student
f) Captures employee ID and Book ID before returning the book by the staff member

1. Inputs for the member registration process are, Choose
2. Output of the borrowing process is, Choose
3. Which of the following statement/s is/are related to the processing function of the SLIIT library system? Choose

Not yet answered
Marked out of 8.00
Flag question

Library information system at SLIIT provides the facility to borrow books for studies. Library catalogue is constantly updated to accommodate resource materials relating to new developments in core teaching areas. The newly added material can be a book, a standard, a journal, a CD or an article. Member registration needs students to deposit refundable amount of Rs.5000. It is not required for the staff members. Borrowing involves, selecting the desired material from the library by the member and library assistant recording it against the student ID or the employee ID. Borrowing process automatically generates the returning date relevant to the borrowing transaction. Returning involves, submitting the material on the returning date by the student/staff member, calculating fines if any and recording the returning transaction in the system by the library assistant. At the end of the day, librarian generates the daily transaction report from the system.

Select the correct answer for the following questions, using the drop-down menu.

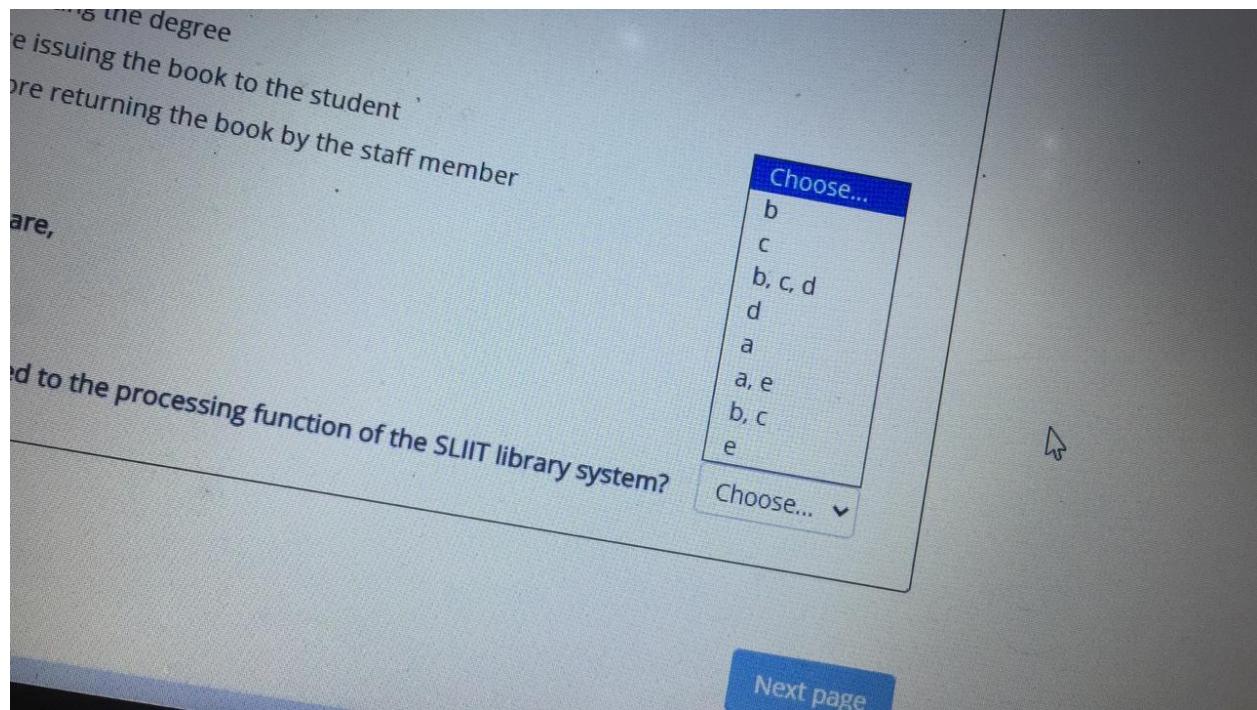
1. Inputs for the member registration process are,

a) Student ID/employee ID
b) Book title
c) Book ID
d) Returning date
e) Deposit amount

2. Output of the borrowing process is,

a) Student ID/employee ID
b) Book title
c) Book ID
d) Returning date
e) Deposit amount

Finish attempt ...
Time left 0:03:50
INSTRUCTIONS
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15



A screenshot of a Moodle quiz page. The question text is: "Identify correct cardinalities for following ER diagram, based on the following scenario. 'Only one instructor is assigned to each student. An instructor will be allocated to many students.'"

The ER diagram shows:

- Instructor** entity with attributes `Ins_Id`, `Name`, and `Salary`.
- Student** entity with attributes `Student_Id`, `Name`, and `Total credits`.
- A **Many-to-One** relationship named `assigned` connecting **Instructor** to **Student**.

Select one:

- a.
1:1
- b.
1:M or M:N
- c.
M:N
- d.
1:1 or 1:M
- e.
1:M

A "Next page" button is located at the bottom right of the quiz area.