DAV NANDRAJ PUBLIC SCHOOL
BARIATU, RANCHI

FREQUENTLY ASK QUESTIONS IN BOARD EXAMINATION (X)

SUBJECT : INFORMATION TECHNOLOGY

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1. Consider the following Vendor table and write the queries for the following:

    Table Datesheet

Sub_code	Sub_Name	DateofExam	Days
E001	English	11-03-2021	Monday
H002	Hindi	15-03-2021	Friday
S003	Social Sci.	18-03-2021	Monday
S004	Science	21-03-2021	Thursday

    i.   Write a SQL command to display the records in ascending order by date of exam.
    ii. Write a query to display the above date sheet.
    iii. Write a query to display the subject name and date of the exam held on 'Monday'
    iv. Write a SQL command to display the date of exam and Sub_Name of Science subject.

2. A health clinic is developing a patient management system to streamline patient intake, appointments, and medical records. They need to implement forms for various purposes, including new patient registration, appointment scheduling, and updating medical histories.
    a) What is the use of form in DBMS?
    b) What are the different ways to create forms in DBMS?
    c) Where can we find various tools to add or edit controls on the form?
    d) What is the use of the Records Toolbar in a form?

3. Your cousin runs a small bookstore and wants to maintain an inventory of books. He needs to record information such as book titles, authors, ISBNs, publication dates, prices, and stock levels. However, he is not familiar with database management systems. Explain the following concepts to help him understand DBMS:
    a) What is DBMS?
    b) What are the advantages of using DBMS?
    c) Name any two database programs that can be used to create a table and store the data according to his requirements.
    d) Which field can be set as a Primary Key?

4. Explain the term "Referential Integrity". Why is it important in a database?

5. Differentiate between a Primary key and Foreign key.

6. Your friend owns a chemist shop, he needs to keep records of the medicines with their id's, date of purchase, expiry date, price, etc. in a database program. But he does not have any knowledge about the database. Explain to him the following to get a better understanding of the DBMS concepts.
    1. What is DBMS? Explain in brief.
    2. Name any two database programs which can be used to create a table and store the data as per the requirement.

3. Which field can be set as a Primary Key?

4. Is it possible to make more than one field as a primary key in your table? (Yes/No). Justify your answer.

7. Consider the following table: Sales

Sale_Id	Prod_Name	Price	Discount
1101	Laptop	65000	2500
1103	Pen tab	29500	1000
1105	Desktop	50000	1550
1106	Printer	12000	2000

1. How many fields and records are there in Sales table?
2. Write SQL commands for the following:
   i. Display Sales ID and price of all products whose discount is more than 1000.
   ii. Display the details alphabetically by product name.
   iii. Display product name and sales price after deducting the discount from the price.
   Note: Sales price can be calculated as (price-discount)

8. Define the following:
   a) Sorting (with respect to DBMS)
   b) Referential Integrity
   c) Many-to-Many Relationship (with respect to DBMS)
   d) Foreign key

9. In a database, why is it important to create relationships between the tables?

10. Identify the columns and data types of a table: Airlines. Mention at least four columns with data type.

11. Why has United Nations has made the 17 Sustainable Development Goals?

12. What is the importance of healthy lifestyle? Give any four points related to it.

13. 'Reduced Inequalities' is one of the Sustainable development goals set by the UN. Give any two ways to reduce inequalities.

14. What are the Goals of 17 SDG(Sustainable Development Goals) ?

15. What points should be included in Fire Prevention Plan in the office?

16. What are the types of Emergency?

17. Write any four points required at work place safety?

18. Name the five groups of hazards found in workplaces

19. What does 'duty of care' mean in the workplace?

20. Define First Aid, Accident.