

NOIDA PUBLIC SCHOOL
WINTER VACATION ASIGNMENT

Session:2023-24

CLASS- XI B
MATHEMATICS

1. Make a PowerPoint presentation on the topics -

From Roll no. 1 to 15 :- Relations and Functions (In which you have to explain all the type of functions including their graphs , Cartesian product of two sets etc.)

From Roll no. 15 to 30 :- Conic Sections (in which you have to explain whole concepts of parabola , hyperbola , ellipse , circle.)

2. Do the class assignment in your Mathematics Notebook

PHYSICAL EDUCATION

Training & Doping in Sports

1. Concept and Principles of Sports Training
2. Training Load: Over Load, Adaptation, and Recovery
3. Warming-up & Limbering Down –Types, Method & Importance
4. Concept of Skill, Technique, Tactics & Strategies

Write down notes on your notebook..

BUSINESS STUDIES

Q1. Identify various fixed shop retailers in your locality and classify them according to the different types you have studied.

Q2. Find out the GI tag(s) for your State. Prepare a chart showing its unique attributes. Discuss how GI tag for the product has led to regional development.

ENGLISH

1. PROJECT.

Make one informative Project on any prose piece or poem from your Syllabus.

The project must have-

- a. Title Page
- b. About the Author
- c. A brief summary of the prose/poem
- d. Themes covered in the chapter / poem
- e. The Characters.
- f. Which Character you liked the most and why.
- g. Some sketches or pictures on the topic.

2. Cut out 5 clippings of Classified Ads from the newspaper under the heads –

- a. Situation Vacant
- b. Situation Wanted
- c. For sale

ACCOUNTS

Q1) Briefly describe what is Bank Reconciliation Statement?

Q2) When is Closing stock shown in the Trial Balance?

ECONOMICS

Q1 Prepare a project on “Effect on PPC due to various government policies”. (Current government policies)

Or

Prepare a project on “Demand and its effects , Individual demand and Market demand”.

Q2 Prepare a poster on G-20 , Make in India, Types of goods, Economic growth and forms of market (Choose any one topic)

Q3. From the data given below, construct the index number for the year 2022 on the base of 2011 by simple aggregative method:

Commodities	Unit	Price	
		2011	2022
Wheat	quintal	200	250
Rice	quintal	300	400
Pulses	quintal	400	500
Milk	litre	2	3
Clothing	meter	4	5

Q4. Calculate Laspeyre's; Paasche's and Fisher's index numbers from the following data:

Commodity	Base year		Current year	
	Price p_0	Quantity q_0	Price	Quantity q_1
A	10	30	12	50
B	8	15	10	25
C	6	20	6	30
D	4	10	6	20

SUBJECT – INFORMATICS PRACTICES

1. Match the following clauses with their respective functions.

ALTER	Insert the values in a table
UPDATE	Restrictions on columns
DELETE	Table definition
INSERT INTO	Change the name of a column
CONSTRAINTS	Update existing information in a table
DESC	Delete an existing row from a table
CREATE	Create a database

2. Choose appropriate answer with respect to the following code snippet.

```
CREATE TABLE student (  
name CHAR(30),  
student_id INT,  
gender CHAR(1),  
PRIMARY KEY (student_id) );
```

a) What will be the degree of student table?

- i) 30
- ii) 1
- iii) 3
- iv) 4

b) What does 'name' represent in the above code snippet?

- i) a table
- ii) a row
- iii) a column
- iv) a database

c) What is true about the following SQL statement?

```
Select * fROM student;
```

- i) Displays contents of table 'student'
 - ii) Displays column names and contents of table 'student'
 - iii) Results in error as improper case has been used
 - iv) Displays only the column names of table 'student'
- d) What will be the output of following query?

```
INSERT INTO student  
VALUES ("Suhana",109,'F'),  
VALUES ("Rivaan",102,'M'),  
VALUES ("Atharv",103,'M'),  
VALUES ("Rishika",105,'F'),  
VALUES ("Garvit",104,'M'),  
VALUES ("Shaurya",109,'M');
```

- i) Error
- ii) No Error
- iii) Depends on compiler
- iv) Successful completion of the query

e) In the following query how many rows will be deleted?

```
DELETE student  
WHERE  
student_id=109;
```

- i) 1 row
- ii) All the rows where student ID is equal to 109
- iii) No row will be deleted
- iv) 2 rows

3. Fill in the blanks:

- a) _____ declares that an index in one table is related to that in another table. i) Primary Key ii) Foreign Key iii) Composite Key iv) Secondary Key
- b) The symbol Asterisk (*) in a select query retrieves ____.
 - i) All data from the table
 - ii) Data of primary key
 - iii) NULL data
 - iv) None of the above

4. Consider the following MOVIE database and answer the SQL queries based on it.

MovieID	MovieName	Category	ReleaseDate	ProductionCost	BusinessCost
001	Hindi_Movie	Musical	2018-04-23	124500	130000
002	Tamil_Movie	Action	2016-05-17	112000	118000
003	English_Movie	Horror	2017-08-06	245000	360000
004	Bengali_Movie	Adventure	2017-01-04	72000	100000
005	Telugu_Movie	Action	–	100000	–
006	Punjabi_Movie	Comedy	–	30500	–

- Retrieve movies information without mentioning their column names.
- List business done by the movies showing only MovieID, MovieName and BusinessCost.
- List the different categories of movies.
- Find the net profit of each movie showing its ID, Name and Net Profit. (Hint: Net Profit = BusinessCost – ProductionCost)

Make sure that the new column name is labelled as NetProfit. Is this column now a part of the MOVIE relation. If no, then what name is coined for such columns? What can you say about the profit of a movie which has not yet released? Does your query result show profit as zero?

- The NetProfit column is not a part of movie relation.
 - Such column names are known as alias names.
 - If the profit has not released yet then it can be considered as NULL No, the query result doesn't show profit as zero.
- List all movies with ProductionCost greater than 80,000 and less than 1,25,000 showing ID, Name and ProductionCost.
 - List all movies which fall in the category of Comedy or Action.

OR

- List the movies which have not been released yet.

5. Suppose your school management has decided to conduct cricket matches between students of class XI and Class XII. Students of each class are asked to join any one of the four teams — Team Titan, Team Rockers, Team Magnet and Team Hurricane. During summer vacations, various matches will be conducted between these teams. Help your sports teacher to do the following:

- Create a database "Sports".
- Create a table "TEAM" with following considerations:
 - It should have a column TeamID for storing an integer value between 1 to 9, which refers to unique identification of a team.
 - Each TeamID should have its associated name (TeamName), which should be a string of length not less than 10 characters.
- Using table level constraint, make TeamID as primary key.
- Show the structure of the table TEAM using SQL command.
- As per the preferences of the students four teams were formed as given below. Insert these four rows in TEAM table: Row 1: (1, Team Titan)
Row 2: (2, Team Rockers)
Row 3: (3, Team Magnet)

Row 4: (4, Team Hurricane)

f) Show the contents of the table TEAM.

PSYCHOLOGY

- Paste the picture by explaining which things motivate you in your life
- Paste the picture by explaining what creates problems in your life while making decisions in your life