










POLICE DAV PUBLIC SCHOOL
SUMMER HOLIDAYS HOMEWORK, 2024
CLASS XII

SEQUENCE OF SUBJECTS

-  **MUSIC VOCAL**
-  **KATHAK DANCE**
-  **IP 065**
-  **IT 802**
-  **BEAUTY AND WELLNESS (807)**
-  **PHYSICAL EDUCATION (048)**
-  **YOGA (841)**
-  **PAINTING (049)**
-  **PSYCHOLOGY**

MUSIC VOCAL

Theory

- *Short questions
- Alankar, Tana, Alaap, Meend
- *Historical study of time theory of Raags
- *Life sketch
- Ustaad Faiyaz Khan
- Bade Gulam Ali Khan
- *Definition and Notation of Ragas: Malkauns
- *Dhamar in Raag Bhairav
- *Definition and Notation of Tala with Ekgun, Dugun, Roopak, Jhaptaal Dance.

KATHAK DANCE

WRITE AND LEARN THESE TECHNICAL TERMINOLOGY OF THE DANCE FORMS:

DEFINITION OF THE FOLLOWING:

- VANDANA, TIHAYI, AMAD, TODA/TUKRA, THAAT, PARAN, CHAKRADAR TODA /TUKRA & PARAN, GATNIKAS GATBHAV
- KNOWLEDGE OF THEKA OF DADRA, KEHRWA, ROOPAK
- DEFINITION OF TAALI, KHALI, SAM, TIHAYI

PREPARE FOLLOWING TOPICS FOR PRESENTATION:

IMPORTANT POINTS:

SR.NO.	NAMES	STREAMS	TOPICS
1	SEHAJ	HUMANITIES	KATHAK
2	NANCY	HUMANITIES	MOHINIATTAM
3	ADITI	HUMANITIES	KUCHIPUDI
4	GEETIKA	HUMANITIES	KATHAKALI
5	SIDDHA	HUMANITIES	BHARATNATYAM
6	MANYA	HUMANITIES	ODISSI
7	DIVYANA	HUMANITIES	RASA- IT'S DEFINITION AND TYPES
8	SUHANI	COMMERCE	MANIPURI

9	KUSHIKA AND KRITIKA	COMMERCE	SATTRIYA
10	SEJAL	COMMERCE	BENARAS GHARANA
11	NIDHI AND DIYA	COMMERCE	LUCKNOW GHARANA
12	JASMEEN	COMMERCE	JAIPUR GHARANA
13	ANSHIKA	COMMERCE	ABHINAYA AND ITS TYPES

1. EVERYONE SHOULD PERFORM THEIR PRESENTATIONS ACCORDING TO THE GIVEN TOPICS
2. IT WILL BE HELD IN THE MONTH OF JULY
3. IT SHOULD BE CREATIVE
4. INTERNAL ASSESSMENT SHALL BE GIVEN ON THE BASIS OF YOUR PRESENTATION

IP 065

Assignment (For Practical File)

1. A School in Delhi uses database management system to store student details. The school maintains a database 'school_record' under which there are two tables.

Student Table : Maintains general details about every student enrolled in school.

StuLibrary Table : To store details of issued books. BookID is the unique identification number issued to each book. Minimum issue duration of a book is one Day.

Student	
Field	Type
StuID	numeric
StuName	varchar(20)
StuAddress	varchar(50)
StuFatherName	varchar(20)
StuContact	numeric
StuAadhar	numeric
StuClass	varchar(5)
StuSection	varchar(1)

StuLibrary	
Field	Type
BookID	numeric
StuID	numeric
Issued_date	Date
Return_date	Date

- i. Write the SQL Query which displays the data of StuLibrary table in ascending order of StudentID.
 - ii. The Primary Key for StuLibrary Table is/are
 - iii. Write following SQL Query will fetch ID of those issued books which have not been returned?
 - iv. The Alternate Key for Student Table will be
 - v. Write the SQL Query will display dates on which number of issued books is greater than 5?
2. Tejasvi Sethi, a car dealer has stored the details of all cars in her showroom in a table called CARMARKET. The table CARMARKET has attributes CARCODE which is a primary key, CARNAME, COMPANY, COLOR, COST (in lakh rupees) of the car and DOM which is the Date of Manufacture of the car.

Table: CARMARKET

CARCODE	CARNAME	COMPANY	COLOR	COST	DOM
C01	BALENO	SUZUKI	BLUE	5.90	2019-11-07
CO2	INDIGO	TATA	SILVER	12.90	2020-10-15
C03	GLC	MERCEDES	WHITE	62.38	2020-01-20
C04	A6	AUDI	RED	58.55	2018-12-29
C05	INNOVA	TOYOTA	BLACK	32.82	2017-11-10
C06	WAGON-R	SUZUKI	WHITE	12.11	2016-11-11
C07	BREZZA	SUZUKI	GOLDEN	9.80	2016-10-03

- i. Display the carname along with the charges rounded off to 1 digit after decimal place.
 - ii. Display the carname ,name of the company in lower case of all cars whose year (of dom) is 2020.
 - iii. Display the carname, color and position of the character 'E' in the color of all the cars.
 - iv. Display the number of cars manufactured each year.
 - v. What is the cardinality and degree of the table CARMARKET?
3. A Departmental store 'Iconic' is planning to automate its system so that they can store all the records on computer. They contacted a Software Company to make the software for the same. The company suggested that there is need of a front end and back-end software. The major challenge was to keep the record of all the items available in the store. To overcome the problem, the software company has shown the glimpses of the database and table required to resolve their problem:

Database Name: Iconic

Table Name: Garment

Attributes of the table: Gcode – Numeric, Gname – Character 25, Size - Character 5, Colour – Character 10, Price – Numeric

Consider the following records in 'Garment' table and answer the given questions:

Table: GARMENT				
GCODE	GNAME	SIZE	COLOUR	PRICE
111	Tshirt	XL	Red	1400.00
112	Jeans	L	Blue	1600.00
113	Skirt	M	Black	1100.00
114	Jacket	XL	Blue	4000.00
115	Trousers	L	Brown	1500.00
116	LadiesTop	L	Pink	1200.00

- i. Choose the command that will give the output as:

COLOUR
Blu
Bla
Blu
Bro
 - ii. Delete the record with GCode as 116
 - iii. Give the output of :
Select GName, Price from GARMENT order by Price Desc;
 - iv. Change the colour of GARMENT with code as 116 to "Orange".
 - v. What is the degree and cardinality of 'GARMENT' table?
 - vi. Suggest a free software for managing the database
4. A Gift Gallery has different stores in India. Database Administrator Abhay wants to maintain database of their Salesmen in SQL to store the data, He has decided that
- Name of the database:** GiftGallery
- Name of the table:** Salesman
- Attributes of the tables:** Scode – Numeric, Sname – Character 25, Address - Character 25, Dojoin - Date, Sales – Numeric and Area – Character 10
- Consider the following records in 'Salesman' table and answer the given questions:

Table : Salesman

Scode	Sname	Address	Dojoin	Sales	Area
100	Amit	Delhi	2017/09/29	5000.90	East
101	Sushant	Gurgaon	2018/01/01	7000.75	East
102	Priya	Noida	2018/04/25	3450.45	West
103	Mohit	Delhi	2018/11/03	6000.50	North
104	Priyanshi	Delhi	2019/12/15	8000.62	North

- i. State the command that will give the output as :

Sname
Sushant
Priya

- ii. Display the details of all sales record of North Area, regardless of case (whether North / NORTH / north)
- iii. Help Priya to display sname and sales of east and west areas
- iv. Display the name of the salesman along with the sales amount rounded off to one decimal point.
- v. What will be the output of the following command?

Select Right(Sname,3), Round(Sales) from Salesman Where Sname Like "P%";

5. A Fashion Store MyStore is considering to maintain database of their Customers in SQL to store the data, As a Database Administrator Hina has decided that

Name of the database: MyStore

Name of the table: Customer

Attributes of the tables: Acc_No – Numeric, Cust_Name – Character 25, Cust_City - Character 25, Cust_Phone- Character 11, Open_Bal – Numeric

Consider the following records in 'Customer' table and answer the given questions:

Table : Customer

Acc_No	Cust_Name	Cust_City	Cust_Phone	Open_Bal
1001	Dhashmesh	Ambala	9710557614	10000
1002	Sanya	Patna	8223545233	15000
1003	Joe	NewDelhi	9972136576	13000
1004	Mrinal	NewDelhi	9321305453	12000
1005	Ishaan	Agra	9809876798	19000

- i. With reference to the above given table, give query for generating following output

Cust_Name
Dashmesh
Sanaya
Ishan

- ii. Give the output of :

Select Cust_Name, Open_Bal from Customer order by Open_bal;

- iii. Pranay has given the following command to obtain Highest Opening Balance of each City

Select max(Open_Bal) from Customer where group by Cust_City;

but he is not getting the desired result. Help him by writing the correct command.

- iv. Help Pranay find the total no. of records having open_bal between 15000 to 20000.

- v. Display the first two letters of each customer's name.

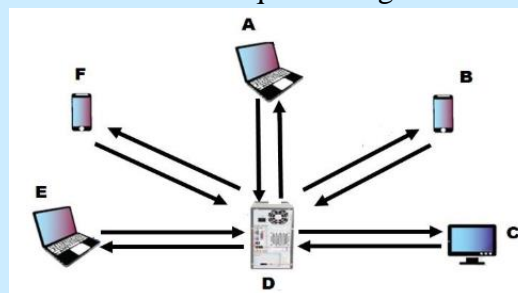
6. Samarth is the hardware engineer of "Happy School". He has been given the task of installing a network in the school lab which has around 40 computers.

- i. Suggest the most suitable type of network topology he should use in order to maximise speed and make each computer independent of network breakdowns.

- ii. In order to allow data transfer from server to only the intended computers which network device is required in the lab to connect the computers?
- iii. After setting up the lab and internet in the lab, Samarth is now required to enable videos and animations to be played on the web browser for students of multimedia class. Which browser tool /service can be used for the same?
- iv. During an international exchange programme the students need to connect to a classroom in Russia using Skype. Samarth helps the students to connect. Which type of network service is being used?
- v. Samarth has asked students of class 7 to identify different parts of URL. Help the students to identify label 1 and 2.



7. Refer to the following diagram and answer the questions given below



- i. Which device acts as a server?
- ii. The arrow from device D to pointing to A represents?
- iii. Which device(s) can have IP Adresse?
- iv. Identify the network topology of the above network.
- v. _____ is a protocol (set of rules) used when transmitting files (data) over the world wide web.

8. Vidya Devi, a retired school principal, was inspired by her granddaughter who uses technology for her day to day activities. Being a learner and teacher all her life, she wanted to open an email account and interact with her friends and family. Her granddaughter created an email account for her and gradually she started sending mails to her friends and family. This was a big achievement for her. Her granddaughter explained how emails are sent, how to create an email address, what protocols are used. Some of these details were too technical for her, but she never gave up. There are few doubts/misconceptions in her mind which you can help her with.

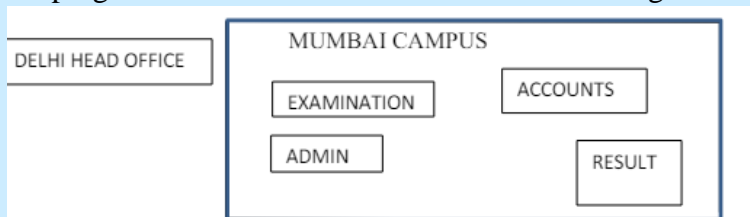
- i. Unsolicited e-mail advertising is known as _____
- ii. Specify the correct format of email address.
- iii. Mail access starts with client when user needs to download email from the _____.
- iv. To use email service, one needs to register with _____
- v. Bcc stands for _____ to send the copy of mail.

9. Ramanpreet has to work on his science project which deals with electromagnetic waves. A lot of research work is required by him for the same. He uses Google Chrome to search for the relevant matter.

- i. Google chrome is an example of a _____
- ii. He finally locates some useful information and clicks on the link provided to access the website. The link is actually known as a _____.
- iii. As Ramanpreet works on his project, he collects and curates information. Whenever he clicks on the link the same piece of information is shown and the content is not clickable. Ramanpreet is accessing a/an _____ website.
- iv. A web cookie is a small piece of data that is _____

v. HTML stands for_____.

10. Prime Computer services Ltd. is an international educational organization. It is planning to set up its India campus at Mumbai with its head office in Delhi. The Mumbai office campus has four main buildings-ADMIN, ACCOUNTS, EXAMINATION and RESULT. 5 You as a network expert have to suggest the best network related solutions for their problems raised in (i) to (v), keeping in mind the distances between the buildings and other given parameters.



Shortest distances between various buildings:

ADMIN TO ACCOUNTS	55 m
ADMIN TO EXAMINATION	90 m
ADMIN TO RESULT	50 m
ACCOUNTS TO EXAMINATION	55 m
ACCOUNTS TO RESULT	50 m
EXAMINATION TO RESULT	45 m
DELHI Head Office to MUMBAI campus	2150 m

Number of computers installed at various buildings are as follows:

ADMIN	110
ACCOUNTS	75
EXAMINATION	40
RESULT	12
DELHI HEAD OFFICE	20

- Suggest the most appropriate location of the server inside the MUMBAI campus (out of the four buildings) to get the best connectivity for maximum number of computers. Justify your answer.
 - Suggest and draw cable layout to efficiently connect various buildings within the MUMBAI campus for a wired connectivity.
 - Which networking device will you suggest to be procured by the company to interconnect all the computers of various buildings of MUMBAI campus?
 - Company is planning to get its website designed which will allow students to see their results after registering themselves on its server. Out of the static or dynamic, which type of website will you suggest?
 - Which of the following will you suggest to establish the online face to face communication between the people in the ADMIN office of Mumbai campus and Delhi head office?
 - Cable TV
 - Email
 - Video conferencing
 - Text chat
11. Compare Lists, Tuples and dictionaries on a an A4 size chart.

IT 802

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StuFatherName	varchar(20)
StuContact	numeric
StuAadhar	numeric
StuClass	varchar(5)
StuSection	varchar(1)

StuLibrary	
Field	Type
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- Write the SQL Query which displays the data of StuLibrary table in ascending order of StudentID.
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- i. Choose the command that will give the output as:

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Name of the table: Salesman

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- v. What will be the output of the following command?
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- Name of the database:** MyStore

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Cust_Name
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- ii. Give the output of :
Select Cust_Name, Open_Bal from Customer order by Open_bal;
- iii. Pranay has given the following command to obtain Highest Opening Balance of each City
Select max(Open_Bal) from Customer where group by Cust_City;
but he is not getting the desired result. Help him by writing the correct command.
- iv. Help Pranay find the total no. of records having open_bal between 15000 to 20000.
- v. Display the first two letters of each customer's name.

6. Consider the following Employee table:

Table Name: Employee

Employee_ID	Employee_Name	Job_Title	Salary	Bonus	Age	Manager_ID
1201	Divya	President	50000	NULL	29	NULL
1205	Amyra	Manager	30000	2500	26	1201
1211	Rahul	Analyst	20000	1500	23	1205
1213	Manish	Salesman	15000	NULL	22	1205
1216	Megha	Analyst	22000	1300	25	1201
1217	Mohit	Salesman	16000	NULL	22	1205

The primary key of this table is Employee_ID and Manager_ID is a foreign key that references Employee_ID. Write SQLcommands for the following:

- Create the above table.
- Insert values as shown above.
- Delete the Employee having Employee_ID 1217.
- Update the salary of "Amyra" to 40000.
- Alter the table Employee so that NULLvalues are not allowed for Age column.
- Write a query to display names and salaries of those employees whose salary are greater than 20000.
- Write a query to display details of employees who are not getting any bonus.
- Write a query to display the names of employees whose name contains "a" as the last alphabet.

- ix. Write a query to display the name and Job title of those employees whose Manager_ID is 1201.
 - x. Write a query to display the name and Job title of those employees whose Manager is "Amyra".
 - xi. Write a query to display the name and Job title of those employees aged between 26 years and 30 years (both inclusive)
7. A Railway company uses machines to sell tickets. The machine details and daily sales information are recorded in two tables:

Table Name: Machine	
Field	Data Type
Machine_ID	CHAR (3)
Station	CHAR (30)

Table Name: Sales	
Field	Data Type
Machine_ID	CHAR (3)
Date	DATE
Tickets_Sold	INTEGER
Income	DECIMAL (8, 2)

The primary key of the table Machine is Machine_ID. Records in the table Sales are uniquely identified by the fields Machine_ID and Date.

- i. Create the tables Machine and Sales.
 - ii. Write a query to find the number of ticket machines in each station.
 - iii. Write a query to find the total ticket income of the station "New Delhi" of each day.
 - iv. Write a query to find the total number of tickets sold by the machine (Machine_ID = 122) till date.
8. Make a SQL Mind Map on A4 sheet.

SUBJECT – BEAUTY AND WELLNESS (807)

PROJECT WORK:

As part of your holiday homework and internal assessment, you are required to prepare a project file. This project aims to keep you engaged with your studies while allowing you to explore new topics creatively and independently. The project file must cover all the topics mentioned below:

- Basic skin types and skin tones
- Makeup Products
- Application of Right Makeup products to enhance facial features
- The colour wheel
- Basic Bindi design
- Draping
- Makeup Removal methods
- Facial Steamer
- Electro Facial skin Treatment

- Maintain reception area
- Process payment
- Things to Avoid

INSTRUCTIONS:

- Use only A3 size sheets
- Minimum 15 pages for project file including title page, acknowledgement, certificate as well as index.
- It should be creative and presentable.

Internal assessment is totally based on this project file.

Last date of submission is July 1, 2024.

PHYSICAL EDUCATION (048)

***Make 2 projects**

Project 1-Make a project on the topic of unit 3 yoga as a preventive measure for lifestyle disease in which students have to make a file on 5 asanas of any disease related to the chapter and write their procedure, benefits, contraindication and draw the asanas (make sure your file is decorated, file front page, acknowledgement page, index page, certificate)

Project 2-Make a project file on any game of your choice and add game's history, terminology and rule and regulations, ground measurements should be drawn. Make sure your file is 10-15 pages.

You will be graded on behalf of these projects.

YOGA (841)

Project File

1. Surya Namaskar
2. Tadasana
3. ArdhaChakrasana
4. Vajrasana
5. Padamasana
6. Setubandhasana

(Make sure your file is decorated, file front page, acknowledgement page, index page, certificate)

PAINTING (049)

Make 5 sheets of landscape and 5 sheets of still life with any colour medium.
(Not in pencil shading)

PSYCHOLOGY

1. Watch a movie “**A beautiful mind**”, offering a comprehensive look at the life of someone living with schizophrenia.

Prepare a project depicting following things:-

- Initial signs and symptoms of schizophrenia
- Nash’s experiences and perceptions
- The impact of schizophrenia on Nash’s personal and professional life
- Treatment methods and their depiction
- The role of support systems in managing the condition.

You have to be as creative as possible, project can be done on scrap book where photographs depicting various scenes or symptoms can be pasted or any other idea is also welcomed as per your critical thinking.

2. Prepare a chart/ model on the topics assigned:

- Create a pyramid chart to illustrate Maslow’s hierarchy of needs. – DIVYANA, PARTEEK
- Use a bar chart to depict and describe the big five personality traits with examples of behaviour that exemplify high and low scores in each trait. – RIDDHI, HONEY, SIMRAN
- Structure of personality by Freud (Id, ego and superego) – SIDDHA, VIDIT, BRAHMPREET
- Create a venn diagram showing the relationship and differences between self concept, self esteem and self efficacy. – ANYA, GURLEEN, SHREYA.
- Freud’s psychosexual stages of development- DHWANI, SHREYA.
- Methods of personality assessment- DRISHTI, MANYA.

Students will need to explain their respective charts in the class.

So prepare accordingly.

3. Complete the practical intelligence on Assignment sheets.

