PLATO PUBLIC SR. SEC. SCHOOL

CLASS XII (2025-26)

HOLIDAY HOMEWORK

LEARN, REFINE and REDEFINE

Dear Students,

"Holiday time is fun and free,
But learning still grows like a tree.
Homework keeps the mind in play,
Bright ideas won't drift away!"

As you plunge into your summer break, take time to rest, rejuvenate, and pursue your passions. Whether it's travelling, exploring new hobbies, or simply relaxing with loved ones, Make the most of this time. Remember to Stay Safe, Stay Curious, enhance your Talents and Skills, and come back refreshed for a lasting learning experience.

Points to Ponder for Parents:

- **Use English as spoken language at home. Read newspapers aloud, and encourage your war watching news channels.**
- **Discuss school experiences and friends' stories to understand your child better.**
- **Involve them in household chores to teach family roles.**
- **Spend meaningful time with your kids.**
- **Explore the world together by watching educational channels.**
- **Encourage outdoor activities for discipline and energy management.**
- **Practice Daily Pranayama for mind-body connection.**
- **Ensure they have plenty of fluids and protein-rich foods for immunity.**
- **Share your childhood memories and create a bond with your children.**

Points to Ponder for Students:

- **Allocate specific time during your holiday break for homework.**
- **Spend plenty of time for relaxation and fun filled activities as well.**
- **Create a dedicated Workspace. abide by the instructions given for specific subjects.**
- **Practice Daily Rituals. Regulate your breathing**
- **Review Instructions given, break Tasks into manageable chunks.**
- **Prioritize Your Work, Use Time Management Techniques.**
- **Minimize Distractions and Stay Organized.**
- **Seek Help When Needed.**
- **Review and Reflect on the tasks accomplished.**
- **Stay Happy and Hydrated**
- **Unleash your power within with the power of manifestation that turns your dream into reality.**

By following these tips, you can effectively manage your holiday homework while still enjoying your well- deserved time off. Have a fantabulous Summer Break!

HAPPINESS CURRICULUM (Any 2)

Elevate your being with the practice of yoga'
Celebrate International Yoga Day by embracing the journey of self-transformation'
Unite mind, body and spirit by practicing yoga daily with your family'

THE BAPTIST CONVENT SR. SEC. SCHOOL

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HOLIDAY HOMEWORK (CLASS XII)

“Time is the most valuable coin in your life. You and you alone will determine how that coin will be spent. Be careful that you don't let other people spend it for you.”

Time management is a cornerstone of success. By enhancing productivity, reducing stress, improving the quality of work, facilitating better decision-making, promoting work-life balance, aiding in goal achievement, and fostering self-discipline, effective time management can significantly enhance both personal and professional success. Developing and refining time management skills is an investment that yields substantial returns in all areas of life.

Technique such as the Eisenhower Matrix or the Pomodoro Technique can help in segmenting tasks and maintaining focus. By breaking down tasks into manageable chunks and setting realistic deadlines, individuals can prevent the build-up of stress, it not only improves mental health but also sustains long-term productivity.

MY DAILY SCHEDULE FOR A WEEK

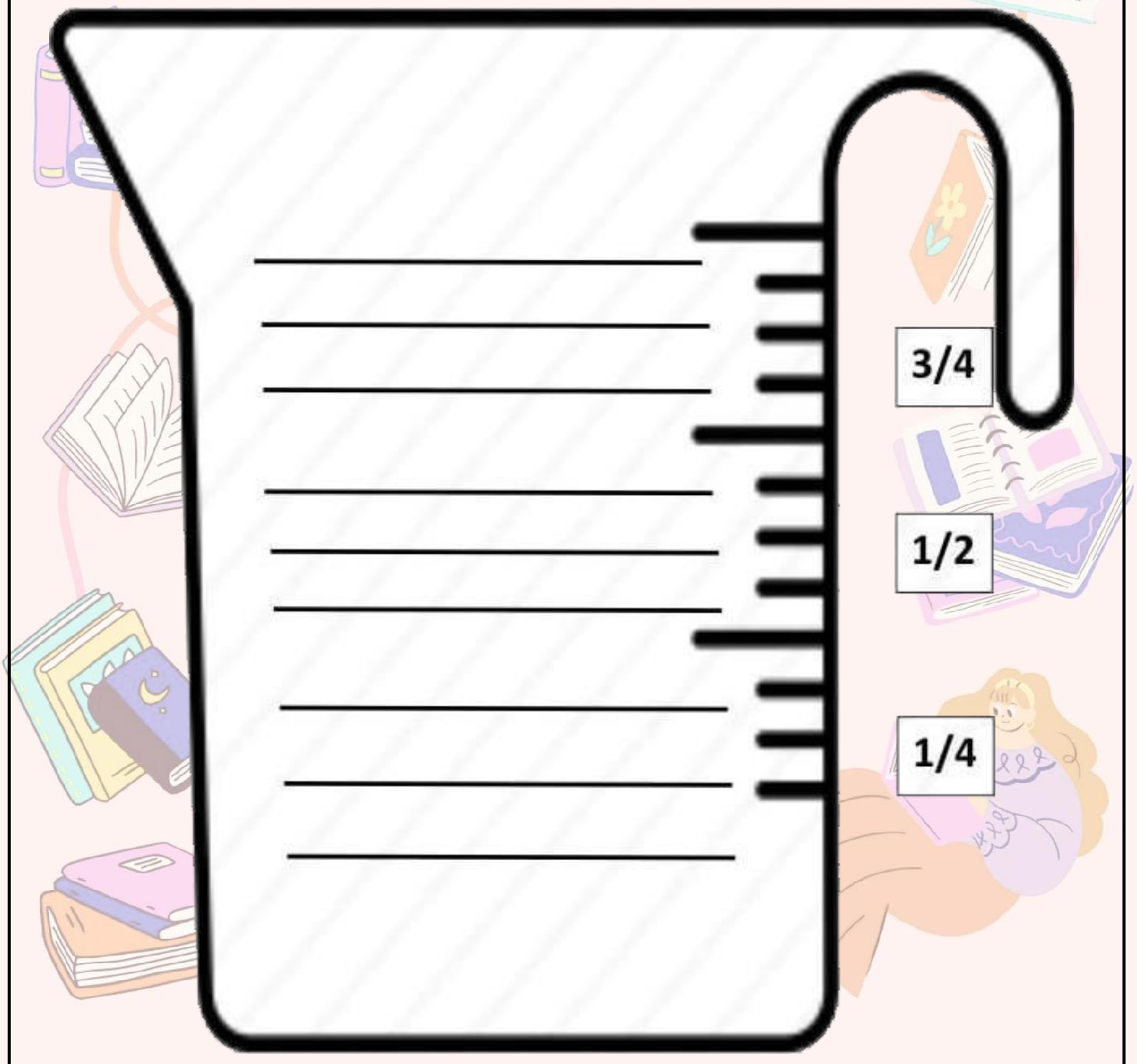
Name……Class/ Sec……Roll no……..

Time	Monday Date……	Tuesday Date……	Wednesday Date…….	Thursday Date…….	Friday Date……
7 a.m.	WAKE UP TIME				
7 to 8 a.m.	EXERCISE AND MEDITATION				
8 to 9 a.m.	BREAKFAST				
9 to 11 a.m.					
11 a.m. to 1 p.m.					
1 to 3 p.m.					
3 to 5 p.m.					
5 to 7 p.m.					
7 to 9 p.m.					
10 p.m.	SLEEPING TIME				

HAPPINESS

CREATE YOUR OWN RECIPE OF HAPPINESS

Write down what makes you happy in the measuring cup given below:



ENGLISH CORE (301)

ACTIVITIES:

1. Visual and Artistic Tasks Comic Strip or Storyboard:
   Create a comic strip or storyboard for any one-chapter bubbles and captions to capture key moments and emotions. or poem (e.g., " Last lesson/Lost Spring/Third Level/Tiger King /Keeping Quiet"). Illustrate the main events, using dialogue
2. Poetry Collage:
   Select lines from poems in Flamingo (My mother at sixty-six and Keeping Quiet) and create a visual collage. Illustrate or design a poster that combines these lines with images, colors, and symbols reflecting the poem's themes.
3. Analytical and Research-Based Assignments
   Character Interview:
   Imagine you are a journalist interviewing a character from one of the prose chapters taught (e.g., Saheb or Mukesh from Lost Spring or Mr. M. Hamel from "Last Lesson"). Write the interview transcript, focusing on their motivations, challenges, and lessons learned.

ENGLISH PROJECT

1. INTRODUCTION

The project consists of **10 MARKS** out of which, **5 MARKS** will be allotted for the **PROJECT FILE** and the remaining **5 MARKS** for the **VIVA** based on the file.

CONTENT OF THE PROJECT FILE:

The project file to include the following:

- **Cover page**, with the title of the project, school details and details of the student.
- **Certificate of Completion** under the guidance of the teacher.
- **Objectives** of the topic
- **Action Plan** for the completion of assigned tasks (**steps involved in doing the project)**
- **Essay/report should be written in 800-1000 words.**
- Student reflections **(the new learning experience/outcome achieved after completing the project)**
- If possible, **photographs** that capture positive learning experience of the students (**collages/pics from various online sources)** can be pasted.
- **List** of **Resources/Bibliography** (**Last page of the project file)**

MATHEMATICS (041)

- 1. Do at least 20 Questions of Chapter 1, 2, 3, 4 and 5 from any extra Book or NCERT Exemplar in a separate note Book.
- 2. Learn and write all basic formulas of trigonometry.
- 3. Download Past 5 years Question papers of CBSE from Internet and Do Questions of Chapter 1, 2, 3, 4 and 5
- 4. Do holiday homework assignment uploaded on ERP

ACCOUNTANCY (055)

1. Revise chapters done till now (Accounting for Partnership Firms -Fundamentals, Goodwill, Change in Profit sharing ratio among existing partners, Admission of a partner)
2. Do all the illustrations of chapters, past year examination questions given in the book T.S. Grewal.
3. Do all the assignments of chapters uploaded on school ERP.
4. Project Work (As per CBSE guidelines)
   Bring the annual reports of the Company selected for project.
5. Prepare the following Sheets for the project work:
   (i)Acknowledgement
   (ii) Certificate
   (iii) Tittle sheet
   (iv) Introduction of the Company
   (v) Bibliography
   (vi) Teacher's Remark
6. Find out various career options after doing 12th commerce.
7. Write a short journal (one page) reflecting on:
   (a) How studying Accountancy has changed your view of money and business.
   (b) One accounting concept you find most useful in real life and why?
8. Design a Comic Strip or Skit Script
   Topic Ideas: Partnership firm opening a business
   A humorous take on preparing a Balance Sheet
   Admission of a new partner etc.
9. Create crossword Puzzle which include important terms used in the chapters done.

Business Studies (054)

Dear Students,

To ensure a productive and enriching summer break, you are required to complete the following academic tasks. These activities are designed to enhance your conceptual understanding, encourage self-learning, and provide practical insights into the world of business.

1. Chapter Learning & Note Preparation: -

Thoroughly study the chapters taught during April and May using multiple reference books like Sandeep Garg, Subhash Dey, and G.S. Alag.

Prepare notes in the form of flow charts and keywords for each chapter to aid in quick revision and deeper understanding.

Additionally, pre-read the chapters from the July and August syllabus to gain early familiarity with upcoming topics.

2. CBSE Project Work

Prepare any one project as per the CBSE guidelines. Choose from the following topics:

Project – 1 Elements of Business Environment

Project – 2 Principles of Management

Project – 3 Marketing

Project – 4 Stock Exchange

Create a model or chart related to your selected project using pictorial presentations or stick figures. (Refer to samples shared in the WhatsApp group.)

For detailed project guidelines, visit the CBSE official website: www.cbse.nic.in

3. Case Study Compilation: -

Read newspapers regularly and frame 5 case studies for each chapter covered so far in your notebook.

Also refer to case studies available in your reference books to expand your understanding.

4. Assignment Completion: -

Download and solve all the assignments uploaded on the school ERP/website.

Paste or neatly write the solved assignments in your notebook.

5. Vocabulary Building

Learn key academic and business-related vocabulary to enhance your writing skills.

Maintain a list of these words in your notebook.

6. Conceptual Videos

Download or watch video clips from relevant movies or documentaries that explain the concepts covered in Chapters 1, 2, 3, and 11.

7. Current Affairs Journal

Keep a daily track of market trends and business changes by reading financial newspapers or business sections.

Record observations that show how market developments influence business decisions.

8. Crossword/Jigsaw Puzzle Creation

Create a fun and engaging crossword or jigsaw puzzle using the important terms and concepts from Chapters 1, 2, 3, and 11.

9. Watch & Learn – Financial Markets

To understand concepts from Chapters 10 & 11 (Financial Market & Stock Exchange), watch informative movies and web series such as:

- The Big Bull
- Scam 1992: The Harshad Mehta Story
- Guru – based on the life of Dhirubhai Ambani, showcasing entrepreneurship and stock market growth.
- Bazaar – a financial thriller based on stock market manipulation.
- Gafla – inspired by the 1992 stock market scam.
- Rocket Singh: Salesman of the Year – for insights into marketing and ethical business practices.

These activities will not only strengthen your academic performance but also prepare you for real-world business scenarios. Use your holidays wisely and complete all the tasks with sincerity.

Economics (030)

Read Economic Times and prepare headlines chart for 15 days on A-4 Size sheets in separate file.

Solve the assignment provided over school website in separate notebook.
Project work:
Guidelines for Project Work in Economics (Class XII)
Students are supposed to pick any ONE of the two suggested projects.
Project (Option One): What's Going Around Us
Project (Option Two): Analyse any concept from the syllabus
The project should be of 30-40 pages (approx.), preferably hand-written Suggested List:

- Measurement of National Income
- Credit Creation
- Money Multiplier
- Central Bank and its functions
- Government Budget& its Components Budget deficit
- Exchange Rate Systems
- Foreign Exchange Markets
- Balance of payments
- Any other topic.

Practise National income numericals, credit creation numericals
Write Ncert questions of Indian economy ch-1 and ch-2

Biology(044)

1. Investigatory Project Work
Start researching for your Investigatory Project for the CBSE practical exam. Choose a topic and prepare a rough outline to be approved after the holidays.
Instructions:
Use handwritten A4 sheets or a spiral-bound file.
Include Certificate, Acknowledgement, Content, Introduction, Observation, Conclusion Case study and Bibliography
Include diagrams, pictures, and illustrations.
Mention sources (books, websites, etc.).

2. Practical File Completion
Complete all diagrams and records of experiments performed in class.
Revise the spotting and slide identification practiced so far.

3. MCQ Worksheet
Solve the MCQ worksheet (to be provided by the teacher) from chapters:
Sexual Reproduction in Flowering Plants
Human Reproduction
Principle Of Inheritance and Variation

4. Concept Revision
Make short notes (mind maps/flash cards) on:

Assisted Reproductive Technique (ART)
Pedigree Analysis
Structure of Human Male and Female Reproductive Systems

Chemistry (043)

Prepare one project on any of the given topics or choose any other topic suggested by subject teacher as per CBSE (Topic given by Subject Teacher)

1. Vitamin C in Fruit Juices
2. Optimal Temperature for the Decomposition
3. Luminescent Silole Nanoparticles for Chromium (VI) Detection
4. Dyeing of Wool, Silk and Cotton in Malachite Green
5. Effect Of Sodium Carbonate On the Foaming Capacity Of A Soap
6. Environmental Pollution
7. Discoveries In the Field of Chemistry
8. Which of the Plant Materials Used
9. Which Road Deicer Corrodes Steel the Most?
10. Extraction of Nicotine Sulphate from Samples of Cigarettes
11. Fermentation
12. Fuel Go Boom / Biofuel
13. Get More Hydrogen from Your Water
14. Investigation Of Foaming Capacity of Different Washing Soap
15. Measuring Solubility
16. Mohr's salt
17. Acid vs. Teeth
18. Why Are the Apples Brown
19. Percentage Purity Of Iron Wire
20. Preparation Of Cuprammonium Rayon Threads
21. Preparation of Ink
22. Preparation of Toilet Soaps
23. Study of Constituents of an Alloy
24. Component of Cold Drink
25. Caffine present in Tea Sample
26. Casene present in various sample of milk.

2. **Prepare formula booklet of CH-1, CH-2 and CH-3 of Chemistry and learn them.**

PHYSICAL EDUCATION (048)

Prepare Physical Education Practical File
Contents:

1. Practical1- Fitness tests administration. (SAI Khelo India Test)
2. Practical-2: Procedure for Asanas, Benefits & Contraindication for any two Asanas for each lifestyle disease.
3. Practical-3: Anyone one IOA recognized Sport/Game of choice. Labelled diagram of Field &Equipment. Also, mention its Rules, Terminologies & Skills.
4. Health and Fitness activities (any five yoga asanas)
5. Revise chapter 1 to 3 & complete your Practical File work.

Do yoga Daily and physical fitness exercise.

PAINTING (049)

1. **Still Drawing (With minimum 3 objects).**
2. **Draw 4 scenes on A2 size sheets.**

The scenes are as follows:

- **Picture Composition (City Scene, Restaurant Scene, Park Scene, Playground) .**
- **Practice Human Figures.**

3. **Learning work:**

Learn:

Ch-1- Introduction of miniature paintings.
Ch-2- Rajasthani school (Name of the Painters and sub schools).
Ch-3- Pahari School (Name of the Paintings and sub schools).

PHYSICS (042)

ASSIGNMENT -1 ELECTRIC CHARGES AND FIELDS

Q1. Define electric dipole moment. Is it a scalar or a vector? Derive the expression for theelectric field of a dipole at a point on the equatorial line of the dipole.

Q2. State Gauss theorem. Using Gauss's law deduces the expression for the electric field due to auniformly charged spherical conducting shell of radius R at a point (i) outside & (ii) inside the shell. Plot a graph showing variation of electric field as a function of $r > R$ and $r < R$ (r being the distance from the centre of the shell).

Q3(a)Define electric flux. Write its S.I. unit.

(b) Using Gauss's law, prove that the electric field at a point due to a uniformly charged infiniteplane

sheet is independent of the distance from it.

(c) How is the field directed if (i) the sheet is positively charged (ii)negatively charged?

Q4. (a) Derive an expression for the torque experienced by an electric dipole kept in a uniformelectric field. When is this torque maximum.

Q5. Sketch the electric lines of force of

(a) a point charge q >0,

(b) a point charge q < 0,

(c) an electric dipole or two equal & opposite charges separated by a small distance,

(d) two equal positive charges placed small distance apart in air,

Q6. What is meant by quantisation of electric charge?

Q7. Define dielectric constant of a medium in terms of force between electric charges.

Q8. An infinite line charge produces a field of 9×10^4 N/C at a distance of 4cm. Calculate thelinear charge density.

Q9. Two infinite parallel plane thin sheets have uniform charge densities of σ_1 and σ_2 . Determine the electric field at points

(i) to the left of the sheets

(ii) between them

(iii) to the right of the sheets.

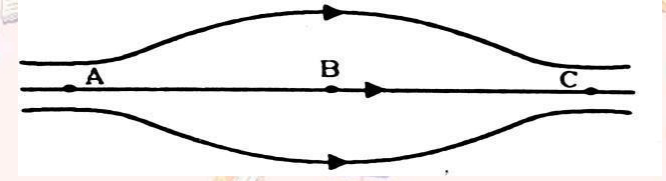
Q10. Is the force acting between two-point electric charges q_1 and q_2 kept at some distance in air,attractive or repulsive when: (i) $q_1 q_2 > 0$ (ii) $q_1 q_2 < 0$

Q11.An electric dipole of dipole moment 20μC is enclosed by closed surface. What is the netelectric flux coming out of this surface?

Q12. 1 C of charge is equal to charge of 'n' number of electrons in magnitude. What is the valueof 'n'?

Q13.The distance of the field point, on the equatorial plane of a small electric dipole is halved. By what factor does the electric field due to the dipole change?

Q14. Fig. shows some of the electric field lines corresponding to an electric field. The electric field at which point is minimum.



Q15. An electrostatic field line is a continuous curve. That is a field line cannot have sudden breaks. Why not?

Q16. Explain why two Electric field lines never cross each other at any point.

Q17.Three equal charges, each having a magnitude of 2.0×10^{-6} C, are placed at the three corners of a right -angled triangle of sides 3cm,4cm and 5cm.Find the force on the chargeat the right- angle corner.

Q18.Three charges, each equal to q, are placed at the three corners of a square of side ' a'. Find the electric field at the fourth corner.

Q19. A glass rod when rubbed with silk cloth, acquires a charge of 1.6×10^{-13} C. What is the charge on silk cloth?

Q20. Two charges q and -3q are placed fixed on x-axis separated by distance 'd' .Whereshould a third charge 2q be placed such that it will not experience any force?

Q21. A point charge causes an electric flux -3×10^{-14} Nm^2/C to pass through a spherical Gaussian surface.

(a) Calculate the value of the point charge.

(b) If the radius of the Gaussian surface is double, how much flux would passthrough the surface?

Q22. Fill in the blanks:

(i) Two spheres of equal radii have charges q and 3q. The ratio of their surface chargedensities is _____.

(ii) Net electric field inside the charged spherical shell is_____.

(iii) Electric flux is a_____quantity and its SI unit is_____.

(iv) The force of repulsion between two positive charges of 1C each, kept 1m apart in vacuum, is_____.

(v) In a uniform electric field, an electric dipole experiences no net____but a non-zero.

ASSIGNMENT 2 (ELECTROSTATIC POTENTIAL & CAPACITANCE)

Q1. Draw graphs showing the variations of

(i) Electrostatic potential V with distance 'r' for a charge q

(ii) Electrostatic field E with distance 'r' for a charge q

Q2. Show that the electric field at any point is equal to the negative of the potential gradient at thatpoint.

Q3. What is an equipotential surface? Give an example.

Q4. Sketch equipotential surfaces for

(i) A positive point charge

(ii) A uniform electric field.

Q5. Show that the amount of work done in moving a test charge over an equipotential surface is zero.

Q6. Show that the direction of the electric field is normal to the equipotential surface at everypoint.

Q7. Fill in the blanks:

(i) The electric potential of a point charge is_____ symmetric.

(ii) Electric potential is_____quantity while potential gradient is a_____quantity.

(iii) _____at a point is equal to the negative of the potential gradient at that point.

(iv) The potential energy of two like charges is_____.

(v) For a constant electric field in the z-direction , equipotential surfaces will be planesparallel to_____.

Q8. How much is the electric potential of a charge at a point at infinity.

Q9. The work done in moving a charge of 3 Coulomb between two points is 6 J. What is thepotential difference between the two points?

Q10. The electric potential at 0.9 m from a point charge is +50 V. What is the magnitude andsign of the charge.

Q11.Derive an expression for the potential at a point along the axial line of a short dipole.

Q12.Derive an expression for the electric potential at a distance 'r' from a point charge 'q'.

Q13.Derive an expression for the potential energy of a dipole rotated in a uniform electric field.

Q14.Deduce expressions for the potential energy of a system of two-point charges and three-point charges and hence generalise the result for a system of 'N' point charges.

Q15. Two-point charges +10μC and -10μC are separated by a distance of 2.0 cm in air.Calculate the potential energy of the system.

Q16.Deduce the expression for the capacitance of a parallel plate capacitor when a dielectric slab is inserted between the plates. Assume the slab thickness less than the plate separation. Q17. Two capacitors of equal capacitance when connected in series have net capacitance C_1 andwhen connected in parallel have net capacitance C_2. What is the value of C_1/C_2?

Q18.Sketch a graph to show how the charge Q acquired by a capacitor of capacitance

C varieswith increase in potential difference between its plates.

Q19. Why does the electric field inside a dielectric decrease when it is placed in an externalelectric field?

Q20. A parallel plate capacitor of capacitance C is charged to a potential V by a battery. Without disconnecting the battery, the distance between the plates is tripled and a dielectric medium of k = 10 is introduced between the plates of the capacitor. Explain giving reasons,how will the following be affected:
(i)capacitance of the capacitor (ii) charge on the capacitor (iii) energy density of the capacitor.

CURRENT ELECTRICITY

1. What happens to drift velocity of electrons and the resistance if the length of a conductor is doubled, keeping potential difference unchanged?
2. What is the momentum acquired by the electrons in a wire of length l metre when a current of I ampere starts flowing in wire? The mass and charge of electron m and e respectively.
3. A carbon resistor has colour code as blue, yellow and red respectively. What will be the resistance?
4. A resistor of 5 ohm is connected in series with a parallel combination of a number of resistors each of 5 ohms. If the total resistance of the combination is 6 ohms, how many resistors are in parallel?
5. The resistance of a conductor at 20°C is 3,15 ohm and at 100°C is 3,75 ohms. Determine the temperature coefficient of resistance of the conductor.

COMPUTER SCIENCE (083)

Week 1

1. Input a list/tuple of elements, search for a given element in the list/tuple.
2. Create a dictionary with the roll number, name and marks of n students in a class and display the names of students who have marks above 75.
3. Input a list of numbers and swap elements at the even location with the elements at the odd location.
4. Write a program to input the value of x and n and print the sum of the following series:

   - $1 + x + x^2 + x^3 + x^4 + \cdots x^n$
   - $1 - x + x^2 - x^3 + x^4 - \cdots x^n$
   - $x + \frac{x^2}{2} + \frac{x^3}{3} + \frac{x^4}{4} + \cdots \frac{x^n}{n}$

5. Write a function Sum Div(L,x), where L is a list of integers and x is an integer; passed as arguments to the function. The function returns the sum of elements of L which are divisible by x or x+1.
   For example,
   If L Contains [10, 27, 12, 20, 22] and x is 5

Then function returns 42 (10+12+20)

Week 2

1. What are DDL and DML?
2. Give the SQL statement to create a table STUDENT with Roll Number, Name, Age and Marks.

3. Create a table named PROGRAMMERS with the following structure:

P_Name	20 Characters
DOJ	Date
SAL	NUMBER

4. i) Display the name of the programmer, which has the highest salary.
   ii) Update the salary of all programmer by 2000 whose name start with letter 'R'.
5. Explain the concept of candidate keys with the help of an appropriate example.
6. Explain the concept of cartesian product between two tables, with the help of an appropriate example.
7. What is primary and alternate key in a database? Give a suitable example to explain each.
8. What do you understand by primary key? Give a suitable example of the primary key from a table containing some meaningful data.
9. Explain Degree and cardinality of a relation with the help of suitable examples

WEEK 3 & 4

1. Write SQL queries for (a) to (f) and write the outputs for (g) parts (i) to (iv) on the basis of tables APPLICANTS and COURSES.

TABLE: APPLICANTS

No	NAME	FEE	GENDER	C_ID	JOINYEAR
1012	Amandeep	30000	M	A01	2012
1102	Avisha	25000	F	A02	2009
1103	Ekant	30000	M	A02	2011
1049	Arun	30000	M	A03	2009
1025	Amber	40000	M	A02	2011
1106	Ela	40000	F	A05	2010
1017	Nikita	35000	F	A03	2012
1108	Arluna	30000	F	A03	2012
2109	Shakti	35000	M	A04	2011
1101	Kirat	25000	M	A01	2012

TABLE: COURSES

C_ID	COURSES
A01	FASHION DESIGN
A02	NETWORKING

A03	HOTEL MANAGEMENT
A04	EVENT MANAGEMENT
A05	OFFICE MANAGEMENT

(a) To display NAME, FEE, Gender, JOINYEAR about the APPLICANTS, who have joined before 2010.
(b) To display the names of applicants, who are paying FEE more than 30000.

(c) To display the names of all applicants in ascending order of their join year.
(d) To display the year and the total number of applicants joined in each year from the table

APPLICANTS.
(e) To display the C_ID and the number of applicants registered in the course from the APPLICANTS table.
(f) To display the applicant's name with their respective course's name from the tables APPLICANTS and COURSES.
(g) Give the output of the following SQL statements:
(i) SELECT NAME,JOINYEAR FROM APPLICANTS WHERE GENDER='F' AND C_ID='A02';
(ii) SELECT MIN(JOINYEAR) FROM APPLICANTS WHERE GENDER='M';
(iii) SELECT AVG(FEE) FROM APPLICANTS WHERE C_ID='A01' OR C_ID='A05';
(iv) SELECT SUM(FEE), C_ID FROM APPLICANTS GROUP BY C_ID HAVING COUNT(*)=2;

2. Write SQL commands for (a) to (f) and write the outputs for (g) on the basis of table STUDENT
   TABLE: STUDENT

SNO	NAME	STREAM	FEES	AGE	SEX
1	ARUN KUMAR	COMPUTER	750.00	17	M
2	DIVYA JENEJA	COMPUTER	750.00	18	F
3	KESHAR MEHRA	BIOLOGY	500.00	16	M
4	HARISH SINGH	ENG.DR	350.00	18	M
5	PRACHI	ECONOMICS	300.00	19	F
6	NISHA ARORA	COMPUTER	750.00	15	F
7	DEEPAK KUMAR	ECONOMICS	300.00	16	M
8	SARIKA VASWANI	BIOLOGY	500.00	15	F

(a) List the name of all students, who have taken stream as COMPUTER.
(b) To count the number of female students.

(c) To display the number of students stream wise.
(d) To insert a new row in the STUDENT table (9,'KARISHMA','ECONOMICS',300.18,'F')
(e) To display a report, listing NAME, STREAM,SEX and stipend, where stipend is 20% of fees.
(f) To display all the records in sorted order of name.
(g) Give the output of the following SQL statements based on STUDENT table:

(i) SELECT AVG(FEES) FROM STUDENT WHERE STREAM='COMPUTER';
(ii) SELECT MAX(AGE) FROM STUDENT;
(iii) SELECT COUNT (DISTINCT STREAM) FROM STUDENT;
(iv) SELECT SUM(FEES) FROM STUDENT GROUP BY STREAM;

3. Write SQL commands for (a) to (d) and write the outputs for (e) and (f) on the basis of table EMPLOYEE

TABLE: EMPLOYEE

SNO	NAME	BASIC	DEPARTMENT	DATEOFAPP	AGE	SEX
1	KARAN	8000	PERSONEL	27/03/97	35	M
2	DIVAKAR	9500	COMPUTER	20/01/98	34	M
3	DIVYA	7300	ACCOUNTS	19/02/97	34	F
4	ARUN	8350	PERSONNEL	01/01/95	33	M
5	SABINA	9500	ACCOUNTS	12/01/96	36	F
6	JOHN	7400	FINANCE	24/02/97	36	M
7	ROBERT	8250	PERSONNEL	20/02/97	39	M
8	RUBINA	9450	MAINTENANCE	22/02/98	37	F
9	VIKAS	7500	COMPUTER	13/01/94	41	M
10	MOHAN	9300	MAINTENANCE	19/02/98	37	M

(a) List the names of the employees, who are more than 34 years old sorted by NAME.
(b) Display a report, listing NAME, BASIC, DEPARTMENT AND annual salary. Annual salary equals to BASIC*12.
(c) To count the number of employees, who are either working in PERSONNEL or COMPUTER department.
(d) To insert a new row in the EMPLOYEE table
(11,'VIJAY',9300,'FINANCE','13/7/98',35,"M")
(e) Give the output of the following SQL statements based on table EMPLOYEE:

(i) SELECT SUM(BASIC) FROM EMPLOYEE WHERE DEPARTMENT='PERSONNEL';
(ii) SELECT AVG(BASIC) FROM EMPLOYEE WHERE SEX='F';
(iii) SELECT MAX(BASIC) FROM EMPLOYEE WHERE DATEOFAPP>'22/02/97';
(iv) SELECT COUNT (DISTINCT DEPARTMENT) FROM EMPLOYEE;