



# M.D. DAYANAND MODEL SCHOOL

NAKODAR

# Summer Holiday

ASSIGNMENT



LEARN



EXPLORE



GROW



SUCCEED

Enjoy • Learn • Grow  
Make the most of your holidays!

Learn  
Explore  
Grow  
Succeed

**HOME ASSIGNMENT**  
**CLASS- 12<sup>TH</sup> SCIENCE**

**PHYSICS**

- **Project File:** As per topic allotted to the students.
- **Practical File:** As per the syllabus discussed, except the observation table file should be completed in every aspect.

**CHEMISTRY**

- **Project File:** As per topic allotted to the students.
- **Practical File:** As per the syllabus discussed, except the observation table file should be completed in every aspect.

**BIOLOGY**

- **Project File:** As per topic allotted to the students.
- **Practical File:** As per the syllabus discussed, except the observation table file should be completed in every aspect.

**MATHEMATICS**

1. To verify that for a function  $f$  to be continuous at given point  $X_0$ ,  $\Delta Y = |f(X_0 + \Delta X) - f(X_0)|$  is arbitrarily small provided  $\Delta x$  is sufficiently small.
2. To verify that the relation  $R$  in the set  $L$  of all lines in a plane, defined by  $R = \{(l, m) : l \parallel m\}$  is an equivalence relation.
3. To demonstrate a function which is not one-one but is onto.
4. To explore the principal value of the function  $\sin^{-1}x$  using a unit circle.
5. To find analytically the limit of a function  $f(x)$  at  $x = c$  and also to check the continuity of the function at that point.
6. To understand the concepts of local maxima, local minima and point of inflection.
7. To understand the concepts of absolute maximum and minimum values of a function in a given closed interval through its graph.
8. To construct an open box of maximum volume from a given rectangular sheet by cutting equal squares from each corner.
9. To understand the concepts of decreasing and increasing functions.

10. To find the time when the area of a rectangle of given dimensions becomes maximum, if the length is decreasing and the breadth is increasing at given rates.

NOTE: Complete all these activities in your Mathematics Practical File during holidays. Write neatly and draw diagrams where required.

Submit your file on the first day after school reopens.

## ENGLISH

### **Project Title:** "Lost Childhoods, Silent Stories"

**Note:** Following are few components of the project and students can opt any two of the following.

### **Project Components**

#### **1. Story Scrapbook: "Two Worlds, One Reality"**

- **Create a scrapbook** (physical or digital) with two sections:
  - **Part 1: Saheb-e-Alam – The Ragpicker**
  - **Part 2: The Bangle Maker's Son – From Firozabad**
- Include:
  - A brief profile of each child (name, age, daily life)
  - Images or sketches showing their world
  - Quotes from the chapter with your commentary

**Note:** Add a page at the end called "My Reaction" — share how their lives made you feel and what you learned.

#### **2. Photojournalism Mini-Project (Creative Fieldwork)**

- **Step outside** (with permission) and observe:
  - Do you see children working in any form of labor?

- Are there children who don't go to school?
- **Click 2–3 photos** (only if allowed and safe to do so), or describe what you saw in a journal-style entry.
- Reflect: What would you say to those children if you could?

**Note:** *This is an observational and awareness task. Never approach children or take photos without consent.*

### 3. Role play or Monologue

- Write a **monologue** from the point of view of:
  - Saheb or
  - The child from Firozabad
- Perform it at home or record a video (2–3 minutes)
  - Express their dreams, their pain, and their hopes for a better future.

### 4. Campaign for Change: “Voices for the Voiceless”

- Design a **mini social awareness campaign** (poster, pamphlet, or Instagram post-style slide deck):
  - Theme: “Let Them Learn, Not Earn”
  - Use real slogans or create your own
  - Add facts/statistics about child labor
  - Suggest 2–3 things that *students* can do to help

### 5. Reflective Journal Prompt

**Write on this topic:**

*“If I could give Saheb one gift this spring, what would it be, and why?”*  
(250–300 words)

Encourage empathy and imagination.

### Assessment Rubric

<b>Task</b>	<b>Marks</b>
Story Scrapbook	10
Photo journal/Observation	10
Monologue/Role play	10
Social Campaign	10
Reflective Journal	10

## **PHYSICAL EDUCATION**

Make a practical file on any of the given topics

1. Volleyball
2. Kho - kho
3. Introduction of life style Disease (any one)
  - A) Obesity
  - B) Diabetes
  - C) Asthma
  - D) Hypertension
  - E) Back pain and arthritis

## **INFORMATIC PRACTICES**

**Note: Practical file make in MS Word You will submit in Hard Copy (Print form)**

### **SQL QUERIES :**

- Create a database
- Use database
- Create tables Bike ,customer and Employees
- Inserting the records (8-10)
- Display the records of table
- To display with detail of customer whose name start with 's'
- To display end with detail of customer whose email id '.com'
- To count no of employees.
- To display detail of customer alphabetically
- Display the email in capital alphabets'
- To display employees before "1996/12/12"
- To count the quantity of the Bike
- To show the quantity of Bik which more sold
- To display employee salary id of employees whose greater than 23,000' thousand
- To count the no of times payment method used
- To trim the whit space from the string

- To find length of string
- To display all date employees no day, month, year of jaining of
- To Count the substring from the string
- To display power function
- To display the MIN ,MAX values

## SQL Queries Rubric |

### Criteria

1. Database Creation & Usage

2. Table Creation (2 Tables)

3. Record Insertion (5-6 Records)

4. Query Accuracy (10+ Queries)

5. Use of Functions & Conditions

## MUSIC

Make Project File on following Topics:-

Unit -1 :- Alankar, Gamak, Khatka and Murchhana

Unit -2 :- Historical development of Time theory of Ragas

Unit- 3 :- Sangeet Ratnakar, Sangeet Parijat and Faiyaz Khan

Unit -4 :- Dhamar Tala and Jhaptala

Unit -5 :- Bhairav Ragas, Malkauns Ragas



**SUMMER VACATION ASSIGNMENT**  
**CLASS:- XII COMMERCE**  
**SESSION :- 2026-27**

**General Instructions:-**

- ❖ **Avoid excessive use of mobile phones, video games and social media**
- ❖ **Do physical activities like walking, cycling, yoga or playing outside**
- ❖ **Maintain a balanced diet- avoid too much junk food**
- ❖ **Revise syllabus thoroughly of all the subjects for Unit Test –I (to be conducted in July,2026)**

SUBJECT	TASKS
<b>ACCOUNTANCY</b>	<ul style="list-style-type: none"> <li>❖ <b>Goodwill Calculation Wheel:- (Roll No. 3, 6, 7,9, 10,12)</b>            Draw a large wheel with Methods of valuation of Goodwill in the center            Divide it into sections:-           <ul style="list-style-type: none"> <li>• Average Profit Method</li> <li>• Weighted Average Profit Method</li> <li>• Super Profit Method</li> <li>• Capitalization Method</li> </ul>           Include the formulas in each section</li> <li>❖ <b>Goodwill Umbrella:- (Roll No.15, 16, 18, 25, 28)</b>            Create a chart for the treatment of goodwill as per AS-26            Panels of Umbrella: Definition, Various cases for Accounting            Treatment of Goodwill</li> <li>❖ <b>Fundamental Flower Chart:- (Roll No. 14, 22, 23, 26, 29,30,31)</b>            Centre :-Partnership            Petals:-            Calculation of Interest on drawings            Format of Profit and Loss Appropriation A/c            Format of Partner's Capital A/c            Calculation and treatment of Interest on Capital</li> </ul>

<p><b>BUSINESS STUDIES</b></p>	<ul style="list-style-type: none"> <li>❖ <b>Prepare Project on :-</b> <ul style="list-style-type: none"> <li>-- Principles of Management</li> <li>-- Business Environment</li> <li>-- Marketing Management</li> <li>-- Consumer Protection Act, 2019</li> </ul> </li> <li>❖ <b>Model Making :- Levels of Management (Roll No. 1 to 9)</b> Use cardboard/ clay to create 3 D model of Levels of Management</li> <li>❖ <b>Business Environment Tree:- (Roll No. 10 to 20)</b> Students will create a large tree chart: Roots—Business Branches—Economic, Social, Political, Legal, Technological environment Leaves—Real-life examples</li> <li>❖ <b>Metro Principle Route Map: (Roll No. 21 to 31)</b> Design a metro map where each station represents a Fayol Principle Show how an organization reaches its destination (Success) by following each principle.</li> </ul>
<p><b>BANKING</b></p>	<p><b>Make Project Files :-</b> Different modes of transferring funds</p> <ul style="list-style-type: none"> <li>◆ Visit any nearby bank branch and collect sample documents/forms, details regarding different modes of transferring funds from one person to another such as: <ul style="list-style-type: none"> <li>• Paper based: Cheque, Demand draft, Cash deposit slip, Banker's cheque(Pay order), Withdrawal slip or any other</li> <li>• Electronic based: RTGS, NEFT, IMPS, UPI</li> <li>• Card based: Debit card, credit card, ATM's Or any other</li> </ul> </li> <li>◆ For each mode, collect the following: <ul style="list-style-type: none"> <li>• Full Form &amp; How it works</li> <li>• Time taken for transfer</li> <li>• Charges involved (if any)</li> <li>• Daily transaction limit</li> <li>• Documents required</li> <li>• Sample Form/Image</li> <li>• Advantages and disadvantages</li> </ul> </li> </ul>

**ECONOMICS****PROJECT FILES:-**

<b>ROLL NO.</b>	<b>NAME</b>	<b>TOPIC</b>
2	ANSHUMAN RAWAL	ORGANIC FARMING
4	ARMAAN JAKHU	INDIAN ECONOMY-ON EVE OF INDEPENDENCE
5	ARYAN KAPOOR	MONEY AND CREDIT CREATION MECHANISM BY COMMERCIAL BANKS
6	EKAM	LPG-1991 REFORMS
7	EKAMHARIJOT SINGH	MONEY SUPPLY-ROLE OF RBI
8	GAURAV GUPTA	SUSTAINABLE DEVELOPMENT
9	GAURAVCHANDER	INDIA-PAKISTAN-CHINA: A COMPARATIVE LOOK
10	GAUTAM JAIN	NATIONAL INCOME ACCOUNTING
11	GURKIRAT SINGH	AGRICULTURE,INDUSTRY &TRADE(1950-1990)
12	GURLEEN KAUR	RURAL CREDIT - BASE OF RURAL DEVELOPMENT
15	JASMEEN SHARMA	MONEY & BANKING SYSTEM
16	JESSICA	SUSTAINABLE DEVELOPMENT
17	KARANVIR GHAI	HCF
18	RITIKA	LPG-1991 REFORMS
22	SANYAM SHARMA	MONEY & BANKING SYSTEM
23	SHREYA	AGRICULTURE, INDUSTRY & TRADE (1950-1990)
25	SIMRAN KHOSLA	NATIONAL INCOME ACCOUNTING
26	SUKHKIRAT	NATIONAL INCOME AGGREGATES (UPTO CH.3)
28	YATIN MADHAS	INDIA-PAKISTAN-CHINA: A COMPARATIVE LOOK
30	YUVRAJ SINGH	ROLE OF BANKING MECHANISM IN RURAL DEVELOPMENT

**RUBRICS:**

S.No.	Heading	Marks
1.	Relevance of the topic	3
2.	Knowledge Content/Research Work	6
3.	Presentation Technique	3
4.	Viva Voce	8
Total		20

**INSTRUCTIONS: The following are common points which can go in any projects, but if according to your project some other points are there, you can add accordingly, before asking me. Otherwise make according to given rubrics.**

**\*YOU CAN REFER YOUR BOOKS FOR MORE CLARITY OF TOPICS AND ADD TOPICS FROM BOOK ALSO.**

1. Acknowledgement
2. Certificate
3. Index
4. Introduction of topic
- \* Definition/meaning (if any definition of topic then add otherwise optional)
5. History(optional)
5. Need
6. objective/importance
7. types/ principles/aims/strategies/process/procedure (any 1-2 or more according to topic)
8. characteristics / features
9. measures/formula for calculating (according to topic)
9. impact on economy
10. advantages
- 11 disadvantages/ limitations
- 12.conclusion
13. bibliography **(includes the different sources from where you gather information of topic. E.g.: Wikipedia, additional books, prescribed books etc, google (mention complete site)**
14. Observation: **(it only includes internal examiner signature and remarks an external examiner signature)**

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## ENGLISH

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