



DOON SCHOOL SRINAGAR,

WINTER ASSIGNMENT

GRADE:VIII

SUBJECT: ENGLISH

Submission Instructions:-

- This winter assignment comprises of two parts: Part A & Part B.
- Part A is compulsory for all students while Part B must be completed in accordance with the prescribed roll numbers.
- Prepare well for the presentation of the projects.
- The written work should be done very neatly on loose sheets and submitted in a file cover.
- Submission date for winter assignment will be shared with you.

PART A

Listening, Speaking and Comprehension Skills

a. "Welcome to Coober Pedy "

Read "Welcome to Coober Pedy" from your course book.

Write a detailed analysis of youth zones across major global cities of the world. What all differences & similarities they share in common?

b. Audiobook Listening Log

Listen to 3 English audiobooks / stories (10–15 minutes each).

After listening:

Write the main idea.

Note down the new words which are added to your vocabulary along with their meanings, on loose sheets

Sources for Audiobook ; [Academia.edu](https://www.academia.edu)

PART B

Project Based Work: - (Roll no. 1-10)

Prepare a Reflection book

A reflection book is meant to record your thoughts, learning, experiences, and personal growth. What you write should show what you did, what you learned, and how it affected you.

What lessons—academic or personal—did my winter vacation teach me?

Write a detailed account of what all new things / lessons you learnt during this vacation time.

Ensure to make a handwritten “Reflection Book ” consisting atleast 20 to 25 pages.

Note: Don't forget to make your Reflection book creative and interactive make best use of drawings and all the beautiful moments you witnessed this winter.

Project Based Work:- (Roll no. 11-20)

Poetry

Poetry is a form of literature that expresses ideas, emotions, and experiences in a creative and artistic way. Unlike prose, poetry often uses rhythm, rhyme, imagery, and figurative language to convey deep meanings in fewer words.

Prepare a poem in your own words on any of the theme you are attached to . Make use of atleast three poetic devices in your own poetry to make it more inspiring and creative.

Project Based Work:- (Roll no. 21-30)

Prepare a handmade newspaper having 4 to 5 pages including news related to, day to day happenings, Science & Education, Story page, Interview, Advertisements & Sports news.

Note: Don't forget to draw/ paste the pics.

Project Based Work:- (Roll no. 31-40)

“Pictures Tell a Story”

Storytelling is the art of sharing ideas, experiences or messages through stories using spoken words, written text, visuals, or actions. It involves creating or narrating events with characters, a setting, and a sequence of actions to entertain, inform, or teach a lesson.

Create your own story & make use of A4 sized placards, each placards must depict the part of a story then write a story based on the pictures & give a suitable title and moral.

Project Based Work:- (Roll no. 41 onwards)

Prepare a working model of "Tense Converter".

A tense converter can be prepared on any of the following

Chart paper (for classroom display)

Notebook or project file

Worksheet sheets

Flash cards

Poster or model board

SUBJECT: MATHEMATICS

PART A

Research And Critical Thinking / Learning,

1. Area–Perimeter Paradox Model (Roll no. 1-14)

Concepts: Perimeter & Area

Aim:

To investigate whether shapes with the same perimeter always have the same area.

Model Description:

- Make **4 different shapes** using cardboard, each having the **same perimeter** (e.g., **24 cm**).
- Shapes: square, rectangle, L-shape, irregular shape.

Questions:

- Why does the square give maximum area?
- Can two shapes have same area but different perimeter?

Conclusion:

Same perimeter does not guarantee same area.

2. Volume Illusion Model (Roll no. 15-30)

Concepts: Volume & Capacity

Aim:

To investigate whether container shape affects volume.

Model Description:

Take 3 containers of different shapes but equal volume.

Fill them with coloured water to the same volume.

Questions:

- Which container looks bigger?
- Why does appearance mislead us?

Conclusion:

Volume depends on dimensions, not on shape appearance.

3. Discount Trap Model (Roll no. 31 onwards)

Concepts: Percentage, Profit & Loss

Aim:

To analyse whether all discount offers give the same benefit.

Model Description:

Prepare a rotating wheel or chart showing offers like:

- 50% + 30% off
- 80% off
- Flat ₹500 off

Assume a fixed marked price and calculate final prices.

Questions:

- Is 50% + 30% equal to 80%? Why?
- Which offer is actually best?

Conclusion:

All discounts are not equal; calculation is necessary.

PART B**Project Based Work:- (Roll no. 1-14)****1. Profit and Loss (Market based)****Work:**

- Select 3–5 common items (pen, notebook, bottle, etc.).
- Note their **Cost Price (CP)** and **Selling Price (SP)**.
- Calculate profit or loss using formulas.
- Find profit or loss percentage.

2. Simple Interest (Banking Activity)

Work:

- Take examples of money borrowed from a bank, friend, or post office.
- Calculate using simple interest.
- Show calculations using different value of rate and time.

Project Based Work:- (Roll no. 15-30)

1. Daily temperature data of a week

Work:

- Record maximum temperature for 7 days.
- Draw a bar graph and find also mean temperature.

2. Comparison by double bar graph

Work:

- Take two cities and record their rainfall over six months.
- Compare using double bar graph.
- Calculate average of both cities.

Project Based Work:- (Roll no. 31 onwards)

1. Mensuration

Work:

- Design a box using cardboard, calculate its curved surface area and total surface area.

2. Perimeter and Area

Work:

- Design at least three different shapes for your garden. Calculate the area of each of your three designs.
- You tried to do fencing as well. Calculate the total material for the fencing by calculating its perimeter.

SUBJECT: SCIENCE

Research And Critical Thinking (Mandatory for all the students):

- 1. Alternative fuels are unlikely to completely replace fossil fuels in the near future.**
Investigate the scientific and practical barriers that restrict this transition.
- 2. Undertake the comprehensive study of the chapter ‘CROP PRODUCTION AND MANAGEMENT’.**

Project Based Work: - (Roll no. 1 to 15)

Design and construct a three-dimensional working model to demonstrate the functioning of a drip irrigation system used in crop production. The model should show how water is delivered directly to the root zone of plants in a controlled manner.

Project Based Work: - (Roll no. 16 to 30)

Design and build a simple periscope using mirrors and explain how it works.

Project Requirements:-

- Use two mirrors, a cardboard tube or box, and other simple materials to create a periscope.
- Explain how the periscope uses reflection to allow us to see around corners. Write a short report explaining the working principle of your periscope.

Project Based Work: - (Roll no. 31 onwards)

Design and construct a three-dimensional working model to demonstrate the functioning of a sprinkler irrigation system used in agriculture.

The model should show how water is distributed over crops in the form of artificial rainfall.

SUBJECT: HINDI

- * राष्ट्रीय भाषा हिंदी विषय पर ध्यानपूर्वक सुनकर उसका महत्व अपने शब्दों में लिखिए।

https://youtu.be/51__t9FgYMs?si=oZ48ivVMbcGrEgIT

निम्न लिखित विषयों पर अनुच्छेद लिखिए :-

- * सत्य और अहिंसा
- * प्रसिद्ध हिंदी साहित्यकार
- * भविष्य की कल्पना
- * विलोम शब्द (२५)
- * पर्यायवाची शब्द (२५)
- * मुहावरे (२५)
- * पुस्तक के पहले दो पाठों का वाचन करके कठिन शब्द लिखिए और उनके वाक्य बनाइए।

परियोजना कार्य

१. गांव के दृश्य पर आधारित एक परियोजना (project) बनाए।
२. भारत के पहले प्रधानमंत्री का चित्र बनाकर / चिपका कर उसका जीवन परिचय चार्ट पर लिखिए।

नोट: लेखन कौशल में दिया गया कार्य अलग नोटबुक पर करें।

साफ-सुधारी लिखावट रखें।

SUBJECT: SOCIAL STUDIES

Project Based Work: - (Roll no. 1-15)

1. Do comprehensive reading of the chapter “Resources”.
2. Make a 3D models on famous landmarks like Taj Mahal, India Gate, and Red Fort by using waste materials.
3. Design a rotating circular model to show cause and effect relationship between humans and resource depletion. The model should depict how overuse of resources leads to their depletion.

Project Based Work: - (Roll no. 16-30)

1. Do comprehensive reading of the chapter “Resources”.
2. Research and analyse how the ideology of moderates and extremists differ in Indian national movements, trace out its impact on Indian freedom struggle.
3. Design a poster that highlights the Fundamental Rights and Duties mentioned in the Constitution of India. Include explanations and example of each right and duty, and illustrate their importance in the everyday life.

Project Based Work: - (Roll no. 31 onwards)

1. Do comprehensive reading of the chapter “Resources”.
2. Make a Large 3D collage with elements like Traditional art, textiles, festivals (Diwali lamps, Holi colours) and Instruments.
3. Create a live model showcasing different types of farming practiced in India. Divide the model vertically to show the same.

SUBJECT: COMPUTER

Submission Instructions:-

1. Every student must create a **Word document (.docx)** for this assignment.
2. The Word file should include the following sections **in order**:
 - **Student Name**
 - **Class and Section**
 - **Project Title**
 - **Program Code** (properly formatted)
 - **Output Screenshot** (clear and readable)
3. The **Python program code** must be typed or pasted neatly in the Word file.
4. Students must run the program and take a **screenshot of the output** showing the result.
5. Paste the output screenshot below the code in the same Word document.
6. Share the Word file as an **email attachment** to the following email ID:
✉ [asfawani@doonsrinagar.com]
7. The email **subject line** should be:
Grade 8 computer Assignment – Student Name
8. Only Soft copy to be submitted.

Project Based Work:- Creative Personal Profile Web Page (Roll no 1-15)

To design a **creative and attractive personal profile web page** using **HTML and CSS**, and to understand the basic concepts of web page structure and styling.

Tools Required

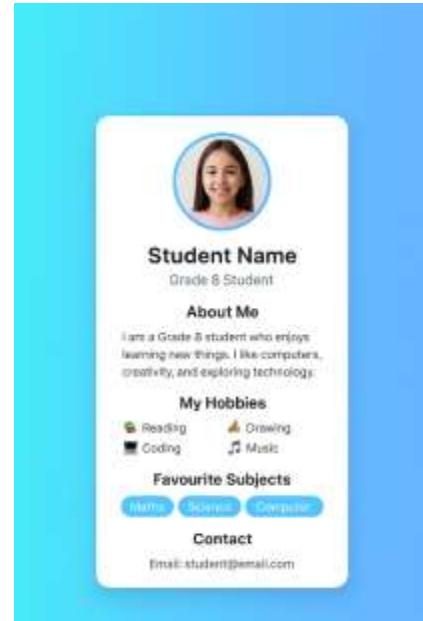
- Computer or Laptop
- Text Editor (Notepad / VS Code)
- Web Browser (Chrome, Edge, etc.)

The web page should include the following design elements:

1. **Card-style layout**
 - All content should be placed inside a single card or box.
 - The card should be centered on the screen.
2. **Gradient background**
 - The background of the web page should use two or more colors blended together.
 - This makes the page more colorful and modern.
3. **Profile photo in a circle**
 - Add a profile photo.
 - Use CSS to make the photo circular.
4. **Hover effects**
 - Apply simple hover effects on buttons, text, or sections.
 - This improves interactivity.
5. **Clean fonts and colors**
 - Use simple and readable fonts.
 - Choose soft and matching colors.

Instructions to Complete the Assignment

1. Create two files:
 - profile.html
 - style.css
2. In **HTML**, include the following sections:
 - Student Name
 - Profile Photo
 - About Me
 - Hobbies
 - Favourite Subjects
 - Contact Information
3. In **CSS**, apply:
 - Background gradient to the page
 - Card layout with border and shadow
 - Circular profile image
 - Font styling and spacing
 - Hover effects
4. Link the CSS file to the HTML file properly.
5. Open the HTML file in a browser and check the design.



Sample web page

After completing this assignment, students will be able to:

- Create a basic web page using HTML
- Style a web page using CSS
- Understand layouts, colours, and fonts

- Design a simple and attractive website

Project Based Work:- Mini Quiz Game Using Python (Roll no 16-30)

To create a simple **interactive quiz game** in Python that asks questions, checks answers, and displays the final score using basic programming concepts.

Tools Required

- Computer or Laptop
- Python (IDLE / VS Code)
- Online interpreter.

Instructions to Complete the Assignment

- Open **Python IDLE** or any Python editor.
- Create a new Python file and name it `quiz_game.py`.
- Display a welcome message for the user.
- Ask the user their name using `input()`.
- Create **5 simple questions** (Maths, Science, GK, etc.).
- Ask each question one by one using `input()`.
- Check the user's answer using **if-else statements**.
- Increase the score for every correct answer.
- Display the **final score** at the end of the quiz.
- Thank the user for playing and save the file.

Sample Questions (Student Can Choose)

- What is 5×6 ?
- What planet is known as the Red Planet?
- How many days are there in a week?
- Which animal is called the King of the Jungle?
- What is the capital of India?

After completing this assignment, students will be able to:

- Take user input in Python
- Use variables to store data
- Apply `if-else` conditions
- Build an interactive program
- Improve logical thinking and confidence
- Present a working program during culmination

Project Based Work:- Mood Predictor Using User Input (31 onwards)

(Rule-Based Artificial Intelligence Project)

To design a **simple AI system** that predicts a person's mood based on user input using **rule-based decision making**.

Tools Required

- Computer or Laptop
- Python (IDLE / VS Code)
- Online interpreter

This project uses a **Rule-Based AI system**.

The program follows predefined rules to make decisions, similar to how a human thinks.

Problem Statement

The program should ask the user simple questions related to sleep and energy level and then **predict the user's mood** based on the answers.

Instructions to Complete the Assignment

1. Open Python IDLE or any Python editor.
2. Create a new file and name it `mood_predictor.py`.
3. Display a welcome message for the user.
4. Ask the user:
 - If they slept well
 - If they feel energetic
5. Store the user's answers.
6. Use **if–elif–else conditions** to apply rules.
7. Display the predicted mood.
8. Save and run the program.

After completing this assignment, students will be able to:

- Understand the basic concept of **Artificial Intelligence**
- Explain what a **rule-based AI system** is
- Take **user input** using Python
- Store and use user responses in variables
- Apply **if–elif–else conditions** to create decision rules
- Simulate **human-like decision making** using simple logic
- Display meaningful output based on given conditions
- Recognize the difference between **rule-based AI and machine learning**

SUBJECT: URDU

ہدایت:- پیارے طلاب سے تلقین کی جاتی ہے کہ سادہ اور اراق اور زیڈن ب قلم کا استعمال کریں اور خوشخطی کا خاص خیال رکھیں۔

سوال نمبر ۱۔ نظم 'وادی گنگا میں ایک رات' میں شاعر نے دریا گنگا کو وہ حانیت اور شفاقت کی علامت قرار دی ہے۔ آپ بھی اپنے گھر کے افراد یا علاقوں کے لوگوں سے بات چیت کیجئے اور آپ کے آس پاس بہنے والی ندیوں یا دریاؤں کے بارے میں معلومات حاصل کر کے لکھئے۔ مزید اس بات پر بھی غور کرے کہ قدیم شہر ندیوں کے ہی کنارے کیوں آباد ہوتے تھے اور اسکے تحفظ کے لئے آج حکومت نے کیا کیا تدبیر جاری کی ہے؟

سوال نمبر ۲۔ اکیسوی صدی ڈیجیٹل ٹیکنالو جی کی صدی ہے۔ کمپیوٹر اور انٹرنیٹ کے بعد مصنوعی ذہان (Artificial Intelligence) ڈیجیٹل ٹیکنالو جی کی جدید ترین اور تیز رفتار ایجاد ہے۔ مصنوعی ذہان کی مدد سے خود کار میشینوں میں پروگرامنگ اس طرح کی جاتی ہے کہ بغیر انسانی مدد کے ہمارے روزانہ کے کام با آسانی ہو جاتے ہیں۔ آپ اپنے آس پاس اور گھروں کو دیکھئے کہ کن کن کاموں میں ایسے ساز و سامان استعمال کئے جاتے ہیں جن میں مصنوعی ذہان کا استعمال شامل ہے۔ ان کاموں کی فہرست بنانے کا قلمبند کریں اور ان کے تبادل اشیاء پر غور کیجئے جن میں انسانی ذہان کا استعمال کرتے ہوئے دستی تبادل شامل ہوں۔ مزید بازار میں مصنوعی ذہان کا استعمال کرتے ہوئے آپ کس طرح کی سہولیات حاصل کر سکتے ہیں۔

سوال نمبر ۳۔ پریم چند کے کسی ایک پسندیدہ ناول کا تفصیلی مطالعہ کیجئے اور آخر پر اس ناول کا تقدیمی جائزہ قلمبند کریں؟

سوال نمبر ۴۔ ہمارے کشمیر کے ایک بڑے حصے میں کھیتی ہوتی ہے۔ کسان زمین سے اناج اگا کر دنیا سے بھوک مٹانے کا کام کرتے ہیں اسلئے انہیں 'ان داتا' کہا جاتا ہے۔ کسان کی روزمرہ کی زندگی کے متعلق اخبارات کی سُرخیوں کو اکٹھا کر کے پڑھئے اور ان کا خلاصہ اپنے الفاظ میں تحریر کریں مزید ان سرخیوں کو جمع کر کے ایک جریدہ تیار کریں؟

سوال نمبر ۵۔ ڈائری لکھنا ایک دلچسپ مشغله ہے۔ اسکے بہت سے فائدے ہیں۔ بعض لوگوں کی زندگی کے بارے میں تو ان کی ڈائری سے ہی معلومات حاصل ہوتی ہیں۔ اردو میں ڈائری کو 'روز نامچہ' کہتے ہیں۔ آپ بھی اپنی زندگی کے اہم واقعات روز نامچہ میں یاد اشتکے طور پر خوبصورت الفاظ میں تحریر کریں اور سرمائی تعلیمات کے بعد تجزیہ کے لئے استاد کو پیش کریں۔