

# **GIRLS' HIGH SCHOOL & COLLEGE, PRAYAGRAJ**

**SESSION:2026-2027**

**CLASS -7 (A,B,C,D,E,F,G)**

**HOLIDAY HOMEWORK**

**Note: Please clearly mention your Name, Class/Section and Admission Number on the projects.**

## **SUBJECT – ENGLISH LANGUAGE PROJECT**

**INSTRUCTIONS:** Parents are expected to ensure that the students use their English Grammar Book and/or the internet to write the project. They should use an inter-leaf assignment copy for the project and should be able to finish the assignment within 6-8 pages. Paste or draw relevant pictures. The project work must be neatly done involving student's creativity. Do as instructed in the class.

## **TOPIC 1: COMPREHENSIVE SORTING TABLE**

### **Steps to be followed:**

The Project should include –

- The Topic Page
- Acknowledgement
- Index (Table of Contents)
- The Main Project
- Bibliography

Draw the table given below on the lined side neatly.

Categorize the following pairs as Synonyms (S), Antonyms (A), or Homophones (H).

Word Pair	Category (S/A/H)
Furious / Angry	
Their / There	
Expand / Shrink	
Flour / Flower	
Tidy / Messy	

## **TOPIC 2: CREATIVE WRITING APPLICATION**

Instructions: Given below is a short description of a day at the beach.

- From the passage, pick out and list neatly on the lined side -

A pair of Homophones

Two pairs of Synonyms

Two pairs of Antonyms

- Draw and colour a beach scene on the blank side. Your picture should depict the description given in the passage below.

It was a sunny and bright day at the beach, and I could see the sparkling sea stretching far and wide. The huge waves crashed against the massive rocks and made a loud noise near the shore, while some areas remained quiet and calm. The hot sand felt warm under my feet, but the cool breeze made it pleasant. I was sure this was one of the most beautiful days I had ever spent by the sea.

## **SUBJECT - ENGLISH LITERATURE PROJECT**

### **INSTRUCTIONS:**

- Parents are expected to ensure that the students use the Neuberg Songbird Workbook - 7 as their Project Book.
- The project work must be neatly done in the book only.
- No separate project file is required.
- The students are expected to follow the instructions given in the class for

completing the project work.

**Book : Neuberg Songbird Workbook -7**

**Activity -**

**The students are expected to complete the following exercises in the book.**

• **LS.1 Worksheet 1 – Daydreams/Anne’s History**

**Let’s Answer - Exercise A, B & C**

• **LS.3 Worksheet 3 - Himsuka**

**Let’s Answer - Exercise A, B & C**

### **SUBJECT - हिन्दी परियोजना कार्य**

**निर्देश** - अभिभावकों से अपेक्षा की जाती है कि वह यह सुनिश्चित करें कि छात्रा दिए गए निर्देशानुसार ही हिन्दी परियोजना कार्य पूर्ण करें। इसके लिए वह हिन्दी की पुस्तक और इंटरनेट का सहारा ले। यह परियोजना कार्य (project) एक असाइनमेंट पुस्तिका में लगभग 8-10 पेज में किया जाना चाहिए। छात्राओं को विषय से संबंधित चित्र अवश्य लगाना चाहिए।

1) आभार

2) विषय सूची

क्रम संख्या । पृष्ठ संख्या । विषय वस्तु । दिनांक । हस्ताक्षर।

परियोजना कार्य 01 –

1 – विगत पाँच वर्षों में गणतंत्र दिवस पर राष्ट्रपति द्वारा पुरस्कृत किए गए किन्ही पाँच बहादुर बच्चों का सचित्र वर्णन कीजिए ।

परियोजना कार्य 02 –

1- द्वारिका प्रसाद माहेश्वरी के जीवन परिचय का सचित्र वर्णन करते हुए उनकी रचित कोई एक कविता लिखिए जो पाठ्य - पुस्तक में न हो ।

- संदर्भ-ग्रंथ सूची

- उपसंहार

## SUBJECT- MATHEMATICS PROJECT

**INSTRUCTIONS:** Parents are expected to ensure that the students refer to different Maths books and /or internet to write the project. The project should be done in approximately 10 to 15 pages in an assignment copy. Students must paste relevant pictures. The project must be neatly done involving student's creativity.

### TOPICS: CH. 13- UNDERSTANDING SHAPES (LINES AND ANGLES)

#### CH. 15- SYMMETRY

1. Draw a pattern of your choice that shows symmetry. Mark all the lines of symmetry and explain how you know your design is symmetrical.
2. Draw and cut an equilateral triangle from a piece of cardboard. Fix a pin at its centre and rotate the triangle around it. Observe carefully and note how many times the triangle looks exactly the same as its original position during a full rotation.
3. Look around your environment and identify two examples of:

(a) parallel lines

(b) intersecting lines

Illustrate your findings by drawing diagrams or pasting pictures and label each type clearly.

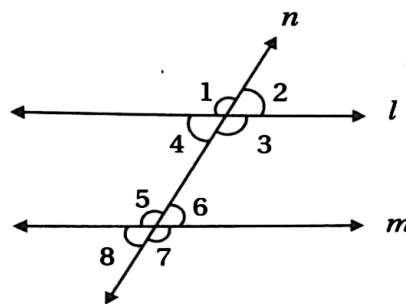
4. A student draws two straight lines " $l$ " and " $m$ " on a sheet of paper using a ruler. A third line " $n$ " cuts both lines, forming eight angles.

The student observes the following:

$$\angle 1 = \angle 5$$

$$\angle 3 = \angle 7$$

$$\angle 4 + \angle 5 = 180^\circ$$



(a) Identify the types of angle pairs formed.

(b) Use logical reasoning to determine whether line “*l*” and “*m*” are parallel.

5. Draw two intersecting lines on a coloured chart paper and label the four angles as  $\angle 1$ ,  $\angle 2$ ,  $\angle 3$  and  $\angle 4$ . Cut out a pair of vertically opposite angles and paste one over the other to check if they overlap. Paste the cutout in your notebook to verify that vertically opposite angles are equal.

### **SUBJECT - HISTORY PROJECT**

**INSTRUCTIONS:** Parents are expected to ensure that the students refer to different History books and /or internet to write the project. This project should be done approximately in 10 to 15 pages in an assignment copy. Students must paste relevant pictures. The project work must be neatly done involving student’s creativity.

### **TOPIC: THE DELHI SULTANATE**

1. Topic
2. Acknowledgement
3. Index
4. Why is Delhi still an important capital today, just like in the Sultanate Period?
5. Compare the Khilji and Tughlaq dynasties.  
Which one would you prefer to live under? Why?
6. If you were asked to design a monument (like Qutub Minar, Red Fort, etc.)today, what modern features would you add?
7. If you could travel back in time, which dynasty would you visit and what would you observe?
8. Bibliography and webliography  
(Note: Paste relevant pictures throughout the project.)

### **SUBJECT-GEOGRAPHY PROJECT**

**INSTRUCTIONS:** Parents are expected to ensure that the students refer to different geography books and/or internet to write the project. This project should be done approximately in 10-15 pages in an assignment copy. Students must paste relevant pictures. The project must be neatly done involving student’s creativity.

1. **TOPICS-**

1) **DECODING THE TOPO SHEET SIGN AND SYMBOL - SCAVENGER HUNT**

2) **UNVEILING AFRICA**

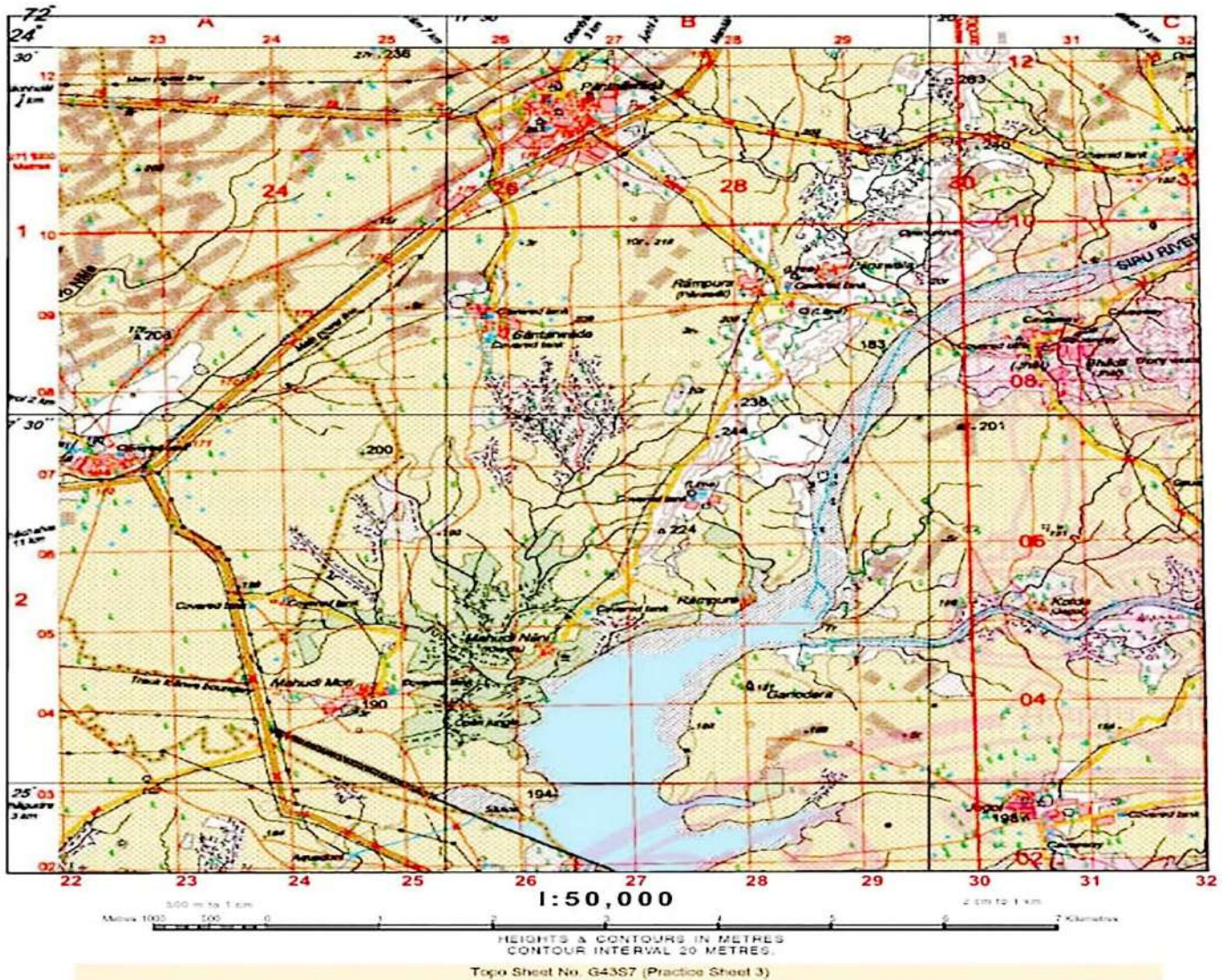
2. Acknowledgement

3. Index

4. Introduction-

- Topographical Map
- Conventional Signs and Symbols

5. Study the extract of Survey of India Map sheet No. G43S7 and answer the following questions:



(a) Name the river visible on the map.

(b) Name three conventional signs and symbols found in Patnawada.

(c) Name an area shown in green color.

- (d) Name any two signs given in red color.
  - (e) What is the scale of the map provided to you?
6. Define scale.

**2. Unveiling Africa: Mark and label the following on an outline map of Africa**

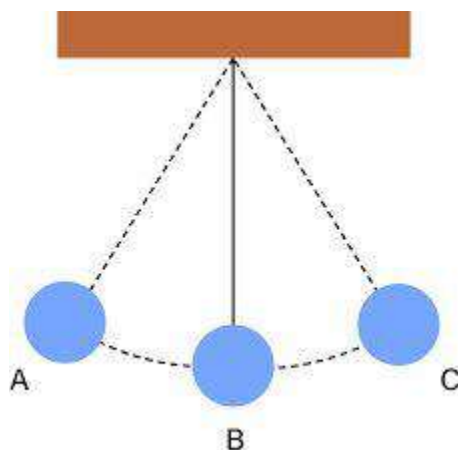
- (a) Important lines of latitude
- (b) The largest country of Africa
- (c) The Ocean which lies to the east of Africa
- (d) The water body that connects Europe and Africa
- (e) The desert found along the Tropic of Capricorn
- (f) The oldest desert.
- (g) The lake which is shared by Uganda, Tanzania and Kenya
- (h) Largest Island of Africa

**SUBJECT-PHYSICS PROJECT**

**INSTRUCTIONS:** Parents are expected to ensure that the students refer to different Physics books and/or the internet to write the project. This project should be done in approximately 10 - 15 pages in an assignment copy or file. Students must paste relevant pictures or draw neat and labelled diagrams. The project work must be neatly done involving the student's creativity.

**TOPIC: ENERGY**

1. Acknowledgement
2. Introduction
3. Explore the energy requirement of your household devices and try to find out its source. Also mention the energy transformation through these devices.
4. Two toy-aeroplanes A and B of masses 1 kg and 2 kg respectively are moving with the same speed, which of the two has greater kinetic energy? Why?
5. How does the principle of conservation of energy operate in a hydroelectric power plant and how is the energy of stored water converted step by step into electrical energy?
6. A person climbs a mountain carrying a bag. How does the Gravitational Potential Energy (GPE) of the person and bag change during the climb?
7. Study the figure given below and answer the following questions:



- a) Identify the positions where potential energy is maximum.
- b) At which point is kinetic energy maximum?
- c) At which positions is the speed of the pendulum zero?
- d) Explain the energy transformation as the pendulum moves from A→B→C?

8. Conclusion
9. Bibliography

### **SUBJECT -CHEMISTRY PROJECT**

**INSTRUCTIONS:** Parents are expected to ensure that the students refer to different Chemistry books and/or the internet to write the project. This project should be done in approximately 10 - 15 pages in an assignment copy or file. Students must paste relevant pictures or draw neat and labelled diagrams. The project work must be neatly done involving the student's creativity.

### **TOPIC- ELEMENTS, COMPOUNDS AND MIXTURES**

1. Study the following mixtures and answer the following questions:
  - a) salt + water                      b) sand + iron fillings                      c) oil + water
  - i. Name the method of separation in each.
  - ii. Paste pictures or draw the figures to support your answer.
2. Identify the following mixtures as homogeneous or heterogenous:
  - a) vinegar in water                      b) oil and water                      (c) cereal in milk
  - d) alloys (Bronze)                      e) wheat dough.
3. During a science fair, two students use different methods to obtain pure water. Student A uses filtration and student B uses distillation. Who will get pure water? Why? Support your answer with diagrams or pictures.

4. Which colours are hidden inside black ink? Support your answer using paper chromatography.

### **SUBJECT – BIOLOGY PROJECT**

**INSTRUCTIONS:** Parents are expected to ensure that the students refer to the Biology books and/or the internet to write the project. This project should be done approximately in 10-15 pages in an assignment copy. Students must paste relevant pictures or draw neat labelled diagrams. The project work must be neatly done involving student's creativity.

### **TOPIC: PLANT KINGDOM**

Introduction- What is the need to classify plants?

-Name and state the characteristics of major groups of plants, giving at least two examples of each.

- Identify any five flowering plants and five non-flowering plants. Below each plant write a short description (including habitat, appearance and one interesting fact.)

- Write about any five ways by which we can conserve plants.

-Conclusion

- Bibliography

### **SUBJECT – COMPUTER PROJECT**

**INSTRUCTIONS:** Parents are expected to ensure that the students refer to their Computer book and / or the internet to write this project. This project should be done in approximately 8-10 pages in an interleaf assignment copy. Draw / Paste relevant pictures.

### **TOPIC: ETHICS AND SAFETY MEASURES**

- Index
- Acknowledgement

### **SUB TOPICS:**

Q1. Explain the following:

(a) Digital Footprints

1. Active and Passive data traces
2. Implications of Digital Footprints

(b) Intellectual Property Rights

1. Patent
2. Copyright
3. Trademark

Q2. How to identify spam?

Q3. How to identify secured websites?

- Conclusion
- Bibliography

**END**