

# GURUKUL INTERNATIONAL SCHOOL, Haldwani

## HOME WORK FOR SUMMER BREAK (2025-26)

Class- VIII

### ENGLISH

#### 1 Speaking Skills

Prepare a video of 2 minutes on 'Save Environment' under the given points.

- What are constituents of environment ?
- Why is it important to save the environment ?
- Major causes of environmental pollution.
- Suggest some preventive measures to alleviate environmental hazards.

#### 2 Write a short speech on "Importance of Reading Books".

- How does reading improve your thinking and imagination ?
- Why are books called our best friends ?

#### 3 Read the following books highlighting the important episodes of their life.

- The Secret Garden by Frances Hodgson Burnett  
Theme – Friendship and healing
- The Diary of a Young Girl by Anne Frank  
Theme – Hope and resilience

#### 4 Design a colourful poster using A4 sheet on 'Say No to Bullying'. Paste pictures or make colourful drawings to highlight your message.

#### 5 Do as directed

- The apples are ripe. The guavas are not very ripe. (Comparative degree)
- Lion is ferocious animal which lives in dense forests. (Correct the sentence)
- The ..... team was awarded by the Principal. (insert appropriate participle form of the verb)
- The children do not want ..... during the holidays. (study as infinitive)
- The students did not enjoy the magic show. The teacher did not enjoy the magic show. (neither ..... nor)
- There is a power cut, the electrical appliances will not work. ( if)

#### 6 Case Study

A group of students were asked to make a poster together. But two members refused to cooperate and wanted to do work their own way. As a result, the poster looked messy and unfinished. The teacher explained how teamwork is important for success.

- What was the main problem in the group ?
- How could they have worked better ?
- Why is teamwork important ?

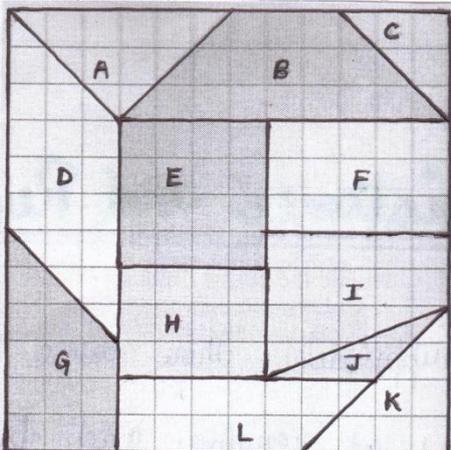
#### 6 AIL

Choose any English poem from your textbook and draw an illustration that represents its theme. Write a few lines describing your drawing.

#### 7 If you had one wish to make the world a better place, what could your wish be ? And how you could help others with this wish ?

### MATHEMATICS

- Set up an equation for the following cases and find the value of the unknown variable and check the answer
  - The teacher tells the class that the highest marks obtained by a student in her class is 2 less than thrice the lowest marks. The highest score is 85.
  - Grime's father is 43 years old. He is 19 years older than twice the Grime's age.
- In the given figure, each small square of the grid has, an area of 1 square unit. Answer the following questions



- Identify the same types of polygon from A to K and write their names.
- Find the area of each polygon.

- c) What is the area of the entire figure?  
 d) Which polygons have an equal area?  
 e) Which figure is formed by combining polygons A & B Find its area in two different ways?
- 3 Draw a circle of radius 5 cm and make the angles of the following measurement in it and color the sectors using different colors  
 a) 30°                      b) 60°                      c) 90°                      d) 45°                      e) 120°                      f) 15°
- 4 Verify that the sum of interior angles of a quadrilateral is 360° by cutting and pasting colored paper.
- 5 Solve-
- a)  $\frac{3-5x}{7} - \frac{x}{4} = \frac{1}{2} + \frac{5-4x}{8}$                       b)  $\frac{3y}{4} + 2y = \frac{1}{2} + 4y - 3$
- 5 Shazli took a wire of length 44 cm and bent it into the shape of a circle. Find the radius of that circle. Also find the area. If the same wire is bent into the shape of a square, what will be the length of its sides? Which figure encloses more area the circle or the square?
- 6 Draw the shapes of the following polygons using coloured paper.  
 a) Square                      b) Rectangle                      c) Parallelogram                      d) Rhombus
- Write the properties of each of the given polygons.
- 7 A survey was conducted to ask the students about their favorites after school activity and the information collected was tabulated as shown.

| Activity       | Visit Friends | Talk on phone | Play outdoor games | Play indoor games | Watch T.V | Read books |
|----------------|---------------|---------------|--------------------|-------------------|-----------|------------|
| No of Students | 175           | 150           | 125                | 75                | 125       | 50         |

Construct the bar graph to represent the above data. Study the bar graph and answer the following questions.

- a) What is the scale used along the vertical axis ?  
 b) How many students were surveyed in all ?  
 c) How many students do not like to play any games after school ?  
 d) What percent of the total number of students prefer to visit friends after school ?
- Case study**
- 8 An IPL match is played in the newly built cricket stadium. The playing area of the cricket ground is a circle of diameter 140 m with natural grass grown in it. In the middle of the ground is located a rectangle pitch made of artificial turf of length 21 m & width 3 m.  
 Based on the information provided above answer the following questions.  
 a) Find the cost of laying the cricket pitch with artificial turf at the rate of Rs 360 per meter square.  
 b) How much area is to be laid with grass?  
 c) What is the distance run by the captain of winning team who takes two laps of the ground after winning the tournament ?

## SCIENCE

- 1 Describe a daily life situation.  
 What changes occur in kneaded dough if it is left at room temperature for several hours, and what scientific process is responsible for these changes?

### Activity 1

Meet a farmer near by you, observe different tools he used for farming and find out which agricultural practices they are used for. Paste the picture of each tool along with its use.

OR

Study the symptoms of given diseases and insert correct information about given in the column.

|   |
|---|
| Cholera, Typhoid, Tuberculosis, polio, Malaria, Dengue, Sleeping sickness, Chickenpox, Amoebiasis, Measles. |
|---|

Table

| Diseases | Curatives | Micro-organism | Mode of Transmission | Preventive measures |
|----------|-----------|----------------|----------------------|---------------------|
|----------|-----------|----------------|----------------------|---------------------|

### Activity 2

On a map of India draw given symbols to show important coal mining areas and important oil refinery locations.

Coal mining areas - ■

Oil refinery - ▲

- 2 **Define the following terms**  
 a) Nitrogen fixation                      b) Weedicides                      c) silos                      d) Pasteurisation                      e) Vaccine
- 3 **Differentiae between**  
 a) Manure and Fertilizers  
 b) Harmful Micro-organisms & Useful Micro-organism
- 4 Study about the scientist who discovered penicillin and write a note on his/her achievements.

- 5 Find the list of micro-organism. Write them under suitable group (group A– Bacteria, group B- Fungi, group C– Algae and group D- Protozoa)

|  |
|--|
| Amoeba, Lactobacillus, Paramecium, Spirogyra, Penicillium, Euglena, Rhizobium, Rhizopus, Aspergillus, chlamydomonas, yeast, Anabaena |
|--|

6 **Assertion–Reason.**

The question below consists of an assertion and reason. Use the following key to choose the appropriate answer.

- a) Both A and R are true and R is the correct explanation of A.
- b) Both A and R are true but R is not the correct explanation of A.
- c) A is true and R is false.
- d) A is false and R is true.
- i) **Assertion (A):** Antibiotics should be taken on the advice of doctor for prescribed time and duration.  
**Reason (R):** If taken when not required, antibiotics may kill some of useful bacteria in the body.
- ii) **Assertion (A):** Malaria, Dengue can be spread by using mosquito net and mosquito repellent.  
**Reason (R):** The causative organism spread through contaminated food and water.

**SOCIAL SCIENCE**

- 1 Make a project of 4 to 5 pages on the given topics-

**Resources**

- a) Human resource
- b) Impact of human activity on resources
- c) Resource conservation
- d) Principles of sustainable development

- 2 "If you have the right to speak freely, do you also have a duty to listen respectfully ? The Constitution gives us Fundamental Rights and Duties. Make a tree model using waste card board or sticks to show Rights on one side and Duties on the other. Why is it important to balance both in a democratic country like India?"

- 3 Amit's family moved to a new town near a large textile factory. His father said the town grew because of the factory. Amit noticed that the factory was built near a river, had easy road access and many workers lived near by. But he also saw air and water pollution around.

- a) What factors influence the location of an industry?
- b) How can we reduce the negative effects of factories on the environment?

4 **Define following**

- a) Archive
- b) Doctrine of lapse
- c) Democracy
- d) Biodiversity
- e) Migration
- f) Secularism

5 **Case Study.**

In a school, students from different religious backgrounds celebrate their festivals. Some students feel left out because their festival isn't recognized or celebrated in school. The school principal decides to create a schedule where all festivals are celebrated with equal importance and everyone is invited to participate.

- a) What is the theme of the above case study ?
- b) How can the school maintain unity and respect among students from different religions ?
- c) Why is it important to celebrate all festivals in a secular country like India ?

6 **Make a project on–**

Condition of Women in the 19<sup>th</sup> Century  
Abolition of Sati Pratha (Sati system)  
Social Reform Organizations

7 **Differentiate between–**

- a) Monarchy and Democracy
- b) Subsistence Farming vs Commercial Farming

8 **Assertion and Reasoning**

In the following questions, there are two statements marked as Assertion (A) and Reason (R). Read them and choose the appropriate option for each part.

- a) Both A and R true, and R is the correct explanation of A
- b) Both A and R are true. But R is not the correct explanation of A.
- c) A is true but R is false.
- d) A is false but R is true.
- i) **Assertion (A):** Surveys became important during British rule.  
**Reason (R):** The British needed detailed information to administer the country efficiently.
- ii) **Assertion (A):** Conservation of resources is necessary.  
**Reason (R):** Resources are unlimited and can be used freely.

- 9 "Prepare a timeline chart on chart paper showing 5 major events of the Indian National Movement from 1857 to 1947. Write the date and a short description of each event, and paste related pictures to make it attractive."

- 10 Prepare a project on the classification of industries. Categorize industries into different types (primary, secondary, tertiary) and provide examples of each. Collect and paste raw materials used in each type of industry, and explain how each industry contributes to economic development."

## HINDI

- 1 सुनीता विलियम्स कौन हैं ? वह कितने समय तक स्पेस में रहीं वहाँ उनका जीवन कैसा रहा। यदि भविष्य में आपको भी इस प्रकार के अवसर मिलें तो आप क्या करेंगे। इस विषय पर एक प्रोजेक्ट तैयार कीजिए।
- 2 **केस अध्ययन**  
आप कक्षा आठ के विद्यार्थी हैं आप हल्द्वानी शहर में रहते हैं। आपके शहर हल्द्वानी में आए दिन ट्रैफिक जाम की समस्या से आम जनता को जूझना पड़ता है।
  - जाम की इस समस्या का मूल कारण क्या हो सकता है ?
  - यातायात के नियमों का पालन किस प्रकार किया जा सकता है ?
  - ट्रैफिक जाम से पर्यावरण को क्या नुकसान होता है ?
  - ट्रैफिक जाम का जनजीवन पर क्या प्रभाव पड़ता है ?
  - ट्रैफिक जाम को कम करने के उपाय बताइए। शहरों में ट्रैफिक जाम क्यों लगता है ?
- 3 रचना के आधार पर शब्द के कितने भेद हैं। प्रत्येक को परिभाषित कीजिए।
- 4 गुण संधि के कितने भेद हैं ? गुण संधि के भेदों को परिभाषित कीजिए।
- 5 बस में काँच बहुत कम बचे थे, जो बचे थे ..... उनसे हमें बचना था।
  - क) यात्रा करना इंसान को क्या सिखाता है ?
  - ख) अगर आपको पहली बार अकेले बस यात्रा करनी पड़े, तो आप किन बातों का ध्यान रखेंगे ?
  - ग) अपनी किसी रोमांचक बस यात्रा का वर्णन कीजिए।
  - घ) लेखक ने बस यात्रा को नई दुनिया की खोज क्यों कहा ?
- 6 परंपरागत कक्षाओं को सुरक्षित रखने के लिए हमें क्या करना चाहिए ? कुमाऊँ की किसी परंपरागत कला के बारे में जानकारी प्राप्त करके उसका सचित्र वर्णन कीजिए। कारीगरों की दशा सुधारने संबंधी विचार प्रकट कीजिए।

## COMPUTER

- 1 Define the following terms-
  - a) System software
  - b) Application software
  - c) CUI
  - d) GUI
  - e) Cell range
  - f) Naming a range
- 2 **Differentiate-**
  - a) Relative and Absolute referencing
  - b) Absolute and Mixed referencing
  - c) MOD() and COUNT()
  - d) Multi processing and Multi tasking O.S.
- 3 Case-John is calculating Total marks and Percentage of PA-1 assessment. He is using 4 subjects and leaving one column, then calculating Total marks in cell F2 and Percentage in E2.
  - i) Show formula used in cell F2 and mention its type of referencing.
  - ii) Name the referencing used in cell F3 to F7.
  - iii) If 10 marks are added to each student's Total marks then find the formula and name the referencing used in cell F2.
- 4 Which type of operating system you are using in your computer lab and smart board in class room ? Find name and write characteristics of these operating system.

## FRENCH

- 1 Quel est votre monument préféré ? Décrivez-le.
- 2 Écrivez un petit paragraphe pour décrire votre meilleur(e) ami(e). (60 mots)