DELHI PUBLIC SCHOOL GAYA

Under the aegis of the Delhi Public School Society, New Delhi)
Affiliated to C.B.S.E., New Delhi Affiliation No.330530, School Code – 65572

SUMMER VACATION ASSIGNMENT (SESSION:2024-25)

Medium :	Class: VIII
Subject :	Adm. No:
Name :	

Are you looking for some interesting and fun learning assignments to make your learning session interesting and engaging? Here in this assignment, you will find some very interesting and engaging tasks that will be fun to solve.

ENGLISH

1. Create a vocabulary list containing important terms from both the 'The Tsunami' (Geography Lesson). Write each word, its definition, and use it in a sentence. Practice using these words in context to improve your language skills. (To be checked in the form of a viva voce test during a class after the submission of this English Portfolio).

2. Draw a map of India and mark the locations mentioned in "Geography Lesson". Include important geographical features such as rivers, mountains, and plateaus. Write a short descriptions about each location and its significance. Locations of different types of topography can be chosen from any part of India.

3. Divide a large piece of paper into sections and illustrate the key events from "Geography Lesson" and "The Tsunami." Write a summary or description beneath each illustration. Pictures can be added into this for illustration.

   Note: All of these should be compiled in a single file titled as 'English Portfolio: Class VIII'. Student's details to be mentioned clearly on the first page of the portfolio along with the name of the subject teacher followed by an acknowledgement.

हिन्दी

1. 'समाज से भ्रष्टाचार दूर कैसे होगा? इस परिपेक्ष में 80–100 शब्दों में अपने विचार लिखें।

2. ग्रीष्मकालीन मौसम में घर से बाहर निकलने से पहले क्या–क्या सावधानियां बरतनी चाहिए, सूची तैयार कीजिए।

3. वर्ण की परिभाषा, वर्णों के भेद एवम् उदाहरण बताते हुए चार्ट पेपर पर वर्णों का एक वृक्ष तैयार कीजिए जिसकी शाखाओं में वर्णों के भेद तथा पत्तियों में उदाहरण अंकित हों।

4. 'कोशिश करने वालों की …' कविता के आधार पर कोई एक ऐसी कहानी लिखिए जिसमें निरंतर प्रयास द्वारा सफलता प्राप्त करने की सीख मिलती हो।

5. सदाचार के महत्त्व को समझाते हुए लगभग 80–100 शब्दों में अपने विचार प्रस्तुत कीजिए।

SANSKRIT

A. अधोलिखित-प्रश्नानामुत्तराणि एकपदेन लिखत (पुस्तकं दृष्ट्वा)

   1) गुणज्ञेषु के भवन्ति ?

2) सुस्वादुतोयाः काः प्रभवन्ति ?

3) नद्यः समुद्रमासाद्य कीदृश्यः भवन्ति ?

4) साहित्य-सङ्गीतकलाविहीनः मनुष्यः कः उच्यते ?

5) कस्य यशः नश्यति ?

6) पिशूनस्य का नश्यति ?

7) कस्य कुलं नश्यति ?

8) अर्थपरस्य कः नश्यति ?

9) कस्य विद्याफलं नश्यति ?

10) मधुमक्षिका किं जनयति ?

B. **पुस्तकं दृष्ट्वा अधोलिखित-प्रश्नानाम् उत्तराणि पूर्णवाक्येन लिखत-**

1) राज्यं कस्य नश्यति ?

2) मधुमक्षिका माधुर्यं कथं जनयेत् ?

3) सन्तः मधुरसूक्तरसं कथं सृजन्ति ?

4) गुणाः कथं दोषाः भवन्ति ?

5) नद्यः कदा अपेयाः भवन्ति ?

6) कीदृशः मनुष्यः पशुः उच्यते ?

7) पुच्छविषाणहीनः पशुः कः ?

8) कस्य मूर्ध्नि वायसाः तिष्ठन्ति ?

9) के धन्याः भवन्ति ?

10) विपदाम् आदौ एव का चिन्तनीया ?

C. **निम्नलिखित-श्लोकानां भावार्थं हिन्दीभाषायां लिखत--**
(निम्नलिखित श्लोकों का भावार्थ हिंदी में लिखें)
गुणा गुणज्ञेषु गुणा भवन्ति ते निर्गुणं प्राप्य भवन्ति दोषाः ।
सुस्वादुतोयाः प्रभवन्ति नद्यः समुद्रमासाद्य भवन्त्यपेयाः।।
साहित्यसङ्गीतकलाविहीनः साक्षात्पशुःपुच्छविषाणहीनः ।
तृणं न खादन्नपि जीवमानः तद्भागधेयं परमं पशूनाम्।।

<u>भावार्थ</u> –

D. **प्रश्ननिर्माणं कुरूत---**

क) प्रदीसे वह्निना गृहे <u>कूपखननम्</u> न युक्तम्।

ख) महीरूहाः <u>धन्याः</u> भवन्ति।

ग) <u>सन्तः</u> मधुरसूक्तरसं सृजन्ति।

घ) <u>व्यसनिनः</u> विद्याफलं नश्यति।

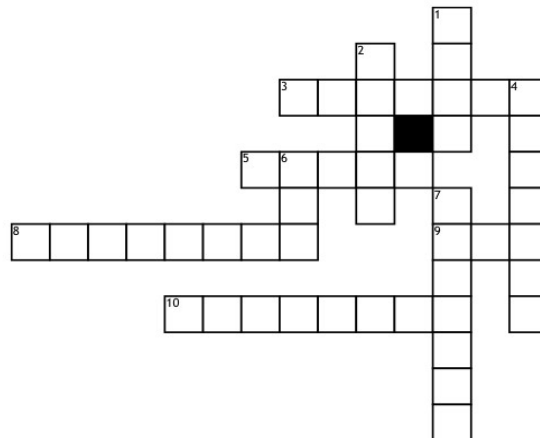ङ) <u>पशूनाम्</u> तद् परमं भागधेयं अस्ति।

E. हिन्दी भाषातः आंग्लभाषातः वा संस्कृत-भाषायाम् अनुवादं कुरूतः -

क) राम पढ़ रहा है ।(RAM is reading)

ख) माँ खा रही है। (Mother is eating)

ग) तुम हंस रहे हो। You are laughing)

घ) वह दोनों आ रहे हैं। (They brother Coming)

ङ) हम सब नाच रहे हैं। (We all are dancing)

F. 'किम्' सर्वनाम शब्दस्य रूपं त्रिषु लिंगेषु लिखित्वा कठस्थं कुरु ।

MATHEMATICS

1. Amit earns Rs. 32000 per month. He spends $\frac{1}{4}$ of his income on food; $\frac{3}{10}$ of the remainder on house rent and $\frac{5}{21}$ of the remainder on the education of children. How much money is still left with him?

2. The distance between Sun and Earth is 1.496×10^{11} m and the distance between Earth and Moon is 3.84×10^8 m. During solar eclipse moon comes in between the Earth and the Sun. At that time what is the distance between Moon and Sun?

3. In a school, $\frac{5}{8}$ of the students are boys. If there are 240 girls, then find the number of boys in the school. Also find the fraction for the girls.

4. The area of a square field is 60,025 m². A man cycles along its boundary at 18 Km/hour. In how much time will he return to the starting point?

5. 66,049 plants are to be planted in a garden in such a way that each row contains as many plants as the number of rows. Find the number of rows and the number of plants in each row.

6. Mass of an electron, proton and neutron are $9.1094 \times (10)^{-31}$ kg, $1.6726 \times (10)^{-27}$ kg and $1.6749 \times (10)^{-2}$ kg respectively. Find the mass of a carbon atom which contains 6 protons, 6 electrons and 6 neutros.

7. **Activity:** To prove that the sum of first n odd natural number is n² by cutting and pasting color paper.

   (For reference see the link: https://youtube.com/shorts/iygc5S7XWMI?feature=shared)

8. Solve the following cross-word puzzle:
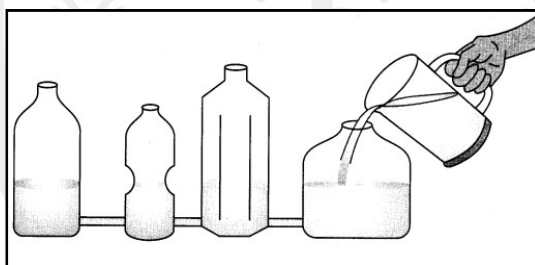
	Across		Down
3.	Another word for "to the second power"	1.	Any base with a _____ exponent equals one
5.	An exponent can also be called a _____	2.	Another word for "to the third power"
8.	Exponents that are _____ must be flipped to the other side of the fraction	4.	When expressions are being _____ with the same base we subtract the exponents
9.	When expressions are being multiplied with the same base we_____ the exponents	6.	Every whole number and variable has an exponent of _____
10.	This is used to represent repeated multiplication	7.	Numbers we can multiply together to get another number

Word Bank: *factors, add, zero, exponent, power, cubed, negative, divided one & squared*

SCIENCE

1. Prepare the model:

   Take 4-5 plastic bottles of different shapes and sizes. Join them together with small pieces of glass or rubber tube as shown in figure. Keep this arrangement on a level surface. Now pour water in any one of the bottles. Note whether the bottle in which water is poured gets filled first or all the bottles get filled up simultaneously. Note the level of water in all the bottles from time to time. Try to explain your observations. Click the picture of the model and take the print out so that it can be attached in your portfolio.

2. Prepare a write up: Research on Light Pollution and write an article on it which includes the following points:

   (a) What is light pollution?

   (b) How is it impacting human and other animals' life?

   (c) Statistics of light pollution in our country.

   (d) How can it be prevented?

   (e) References.

   Note: This should be a hand written article with pictures attached.
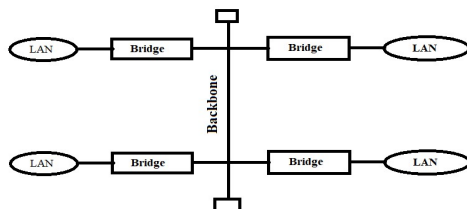
3. Answer the following questions:

(a) A rocket has been fired upwards to launch a satellite in its orbit. Name the two forces acting on the rocket immediately after leaving the launching pad.

(b) How does high and low temperature affect the growth of microorganisms?

(c) What do you understand by vaccine? Explain five different types of vaccines (Generic name and Use).

(d) Explain why objects moving in fluids must have special shapes.

(e) Give examples to show that friction is both a friend and a foe.

(f) Explain with diagram why sliding friction is less than static friction.

(g) Rahul has to push a box and Rashmi has to push a similar heavier box on the same floor. Who will have to apply a larger force and why?

SOCIAL SCIENCE

1. Explain the concept of democracy and its significance in today's world.

2. Evaluate the role of citizen participation in a democratic government. How does citizen engagement contribute to the functioning of democracy?

3. Define the term 'natural resources' and provide examples. Explain why the conservation of natural resources is essential for sustainable development.

4. Evaluate the impact of the Battle of Plassey (1757) on the political landscape of India. How did it pave the way for British dominance in the subcontinent?

5. Define secularism and explain its significance in a democratic society. How does secularism contribute to the idea of equality and freedom of religion?

6. Complete the map practice book from page no. 4 to 13.

7. Make a collage of framing of the Indian constitution. Paste pictures and also list down the fundamental rights and duties mentioned in the Indian Constitution

8. Visit any one of the places in your hometown and describe its geographical and historical importance. Paste few pictures of the site.
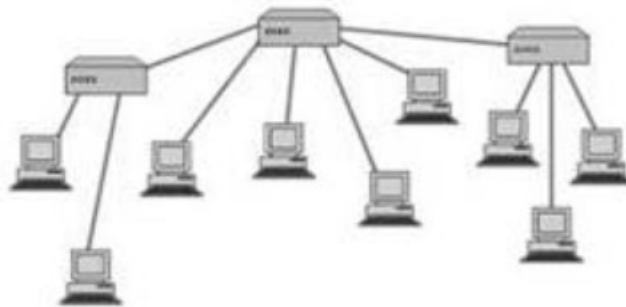
COMPUTER

1. A backbone network allows several LANs to be connected. The given diagram represents a bridge – based backbone with four LANs.

Which of the following type of backbone network is formed here?

(a)   Star Topology   (b)   Bus Topology

(c)   Ring Topology   (d)   Tree Topology

2. Which of the following is not a basic networking component?

(a)   Network Interface Card   (b)   Device Drivers

(c)   Networking cable   (d)   Hubs and switches

3. A network spanning a physical area such as a city is called _____

(a)   LAN   (b)   PAN

(c)   WAN   (d)   MAN

4. A field of technology that deals with a combination of real world and the data generated from computer.

(a)   ML   (b)   VR

(c)   AR   (d)   XR

5. VR may be useful for students with special needs because

(a)   They can attend class from home.

(b)   Teachers can develop personalized lessons for students.

(c)   It allows them to escape from difficult social situations.

(d)   None of the above.

6. Which device is used to connect a LAN to a WAN?

7. Is AR interactive in real time?

8. Write the differences between AR and VR.

9. Blockchain is an emerging technology with many advantages in an increasingly digital world. Explain any two advantages of this technology.

10. Which networking topology is shown in this picture?

11. Rohini is a class 8 student. She wants to connect computer with internet. Which networking device she will use?

12. You want to install a LAN where all connected computers will be controlled by a central machine. Which network topology will you use?

13. Collect the information about the latest developments in the field of wireless technologies and make a collage on the chart paper.

14. Browse the Internet and list the emerging trends in the field of Information Technology and submit the print out of the same.

GERMAN	
Task 1:	Make a vivid collage of German festivals using colorful photos and also describe them in few lines.
Task 2:	Create your own picture dictionary of 20 'Hausetiere' and also write about them in few lines in German.
Task 3:	Schreiben Sie 50 verben(verbs) auf Deutsch.
Task 4:	Schreiben Sie bitte über ' Meine familie'
Task 4:	Schreiben Sie bitte über 'Mein schüle'.
Task 5:	Schreiben Sie die 'sein' formen and make 10 sentences using sein-form.

-----------------X----------------