KENDRIYA VIDYALAYA MEG & CENTRE BENGALURU – 560042

SUMMER VACATION HOLIDAY HOMEWORK (2023 – 2024)

CLASS - 6

Sec on A, B, C

ENGLISH	**CLASS VI** **1 Learner's diary** **2. Paragraph writing** **3. MDP:** **TOPIC: Women in space** **(biography of any five women in space with pictures their struggles and achievements to be highlighted) (8 to 10 pages)** **4. Read story books and make lists of new words and their meaning.**
HINDI	• **लेख:** 1. मैं और मेरे शौक 2. मेरी ग्रीष्मकालीन अवकाश • **पत्र:** चार दिन के अवकाश के लिए प्राचार्य जी को एक पत्र लिखिए। • **परियोजना कार्य:** अपने माता-पिता या दादा-दादी से बात करके अपने और उनके समय का तुलनात्मक अध्ययन कीजिए। • अपने प्रिय मित्र के बारे में **20 वाक्य** लिखिए। • अपनी रुचि के अनुसार कोई एक कहानी लिखिए। • अपने किसी भी एक भ्रमण स्थल का चित्र बनाकर उसके बारे में **20 वाक्य** लिखिए।
MATHS	

	SRI LANKAN BATSMAN	**SCORED**	**BOUNDARIES HIT**
1	U. THARANGA	2	0
2	T. DILSHAN	33	3
3	K. SANGAKKARA	48	5

4	M. JAYAVARDENE	103	13
5	T. SAMARAWEERA	21	2
6	CK. KUPUGEDERA	1	0
7	N. KULASEKARA	32	6
8	T. PERERA	22	3

S. NO.	**NAME OF INDIAN BATSMAN**	**RUN SCORED**	**NO OF BOUNDARIES HIT**
1	VIRENDER SAHVAG	0	0
2	SACHIN TENDULKAR	18	2
3	GAUTAM GAMBHIR	97	9
4	VIRAT KOHLI	35	4
5	M.S. DHONI	91	8
6	YUVRAJ SINGH	21	2

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	Q1: Which team won 2011 cricket world cup final match? Sri Lanka (b) India (c) England (d) Australia Q2 How many players of Indian team scored equal to smallest whole number. (a) 4 (b)1 (c) 2 (d) 3 Q3 How many more runs M. S. Dhoni need to reach highest two digit number? Q4. Write the name of player of team India, who did not score boundary. Q5.Represent the total no. of boundaries hit by Virat Kohli and M.S. Dhoni together on number line. Q6. In Sri Lanka team, score of which player is predecessor of score of T. PARERA? Q7 Find the product of runs, scored by M. JAYAVARDENE and K. SANGAKKARA by using distribu ve property. Q8. Calculate total number of boundaries hit by Sri Lanka team. Q9. If there is a prize of Rs. 4689 on hi ng each boundary. Calculate total amount win by team India by hi ng boundaries only
SCIENCE	1. Name the five plants and their parts we eat. 2. What are the benefits of drinking water. 3. List five object that float and sink in water. 4. Prepare a chart of your diet in science homework notebook and find out the nutrients present in it. 5. Make a chart of plant and label its parts. 6. Prepare a project file on different sources of carbohydrates, proteins, fats, minerals and vitamins with diagrams. .

SOCIAL SCIENCE	1. Draw the diagram of longitudes and latitudes, constellation. 2. On the outline map of India locate the following: I. Ganga and its tributaries II. Indus and its tributaries III. Narmada IV. Garo hills 3. Prepare 10- 10 MCQ from 1st chapter of each History, Geography and Political Science. 4. Complete learner's diary.
COMPUTER SCIENCE	**1. HISTORY OF COMPUTER** **2. HARDWARE PARTS OF COMPUTER** **3. SHORT CUT KEYS IN MS WORD** **4. 20 EXCEL FORMULAS** **MAKE A CHART**

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SUMMER VACATION HOLIDAY HOMEWORK (2023 – 2024)

CLASS - 6

Section- 6D

ENGLISH	**CLASS VI** **1. Learner's Diary** **2. Paragraph Writing** **3. MDP** **Topic : Women in Space** **(Biography of any five women in space with pictures-their struggles and achievements to be highlighted) (8 to 10 pages)** **4. Read story books and make a list of new words and their meanings**
HINDI	**केंद्रीय विद्यालय एम.ई.जी. एवं केंद्र, बैंगलुरु- 42** ग्रीष्मावकाश गृहकार्य विषय: हिंदी कक्षा: छठी ● **लेख:** 1. मैं और मेरे शौक (hobby) 2.मेरी ग्रीष्मकालीन छुट्टियां(अवकाश) ● **पत्र:** चार दिन के अवकाश के लिए प्राचार्य जी को एक पत्र लिखिए। ● **परियोजना कार्य:** अपने माता-पिता या दादा-दादी से बात करके अपने और उनके समय का तुलनात्मक अध्ययन कीजिए। ● अपने प्रिय मित्र के बारे में **20 वाक्य** लिखिए। ● अपनी रुचि के अनुसार कोई एक कहानी/कविता लिखिए। ● बाल रामकथा पुस्तक का अध्ययन करते हुए अपने मनपसंद दो चरित्रों का वर्णन करें तथा अपनी पसंद का कारण भी बताएं।

SANSKRIT	1. प्रथमतः शतं(1 to 100)पर्यन्तं संस्कृतभाषया लिखत । 2. द्वितीय पाठस्य शब्दपरिचयः-2 इत्यस्य अभ्यासकार्यम् ।
SCIENCE	Do your work neatly • Complete your notebook. • Prepare for test after vacation (1st and 2nd chapter). • Write down the answers of below questions in your Science Homework notebook. 1. Name the five plants and their parts we eat. 2. What are the benefits of drinking water. 3. List five object that float and sink in water. 4. Prepare a chart of your diet in science homework notebook and find out the nutrients present in it. 5. Make a chart of plant and label its parts. 6. Prepare a project file on different sources of carbohydrates, proteins, fats, minerals and vitamins with diagrams.
SOCIAL SCIENCE	HOLIDAY HW CLASS 6D SUB: SST 1. In Learners Diary write about 2 Topic taught. a)The Earth in the Solar System b)Understanding Diversity 2. . In A 4 size sheet draw and write about a)Saptarishi constellation and pole star b)Solar Slystem *Put it in stick file. 3. In chart paper, make a collage on "UNITY IN DIVERSITY"
COMPUTER SCIENCE	1. HISTORY OF COMPUTER 2. HARDWARE PARTS OF COMPUTER 3. SHORT CUT KEYS IN MS WORD 4. 20 EXCEL FORMULAS MAKE A CHART

MATHS

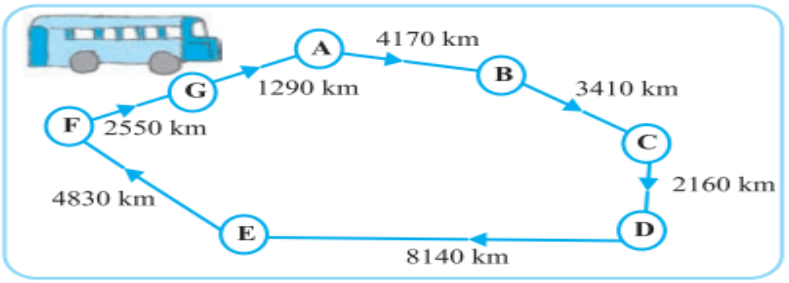
1)Write each of the following in numeral form:

(i) Eight thousand twelve.
(ii) Seventy thousand fifty three.
(iii) Five lakh seven thousand four hundred six.
(iv) Six lakh two thousand nine.
(v) Thirty lakh eleven thousand one.
(vi) Eight crore four lakh twenty five.
(vii) Three crore three lakh three thousand three hundred three.
(viii) Seventeen crore sixty lakh thirty thousand fifty seven.

2)Write the greatest and the smallest numbers.
(a) 4536, 4892, 4370, 4452.
(b) 15623, 15073, 15189, 15800.
(c) 25286, 25245, 25270, 25210.
(d) 6895, 23787, 24569, 24659.

3). Arrange the following numbers in ascending order :
(a) 5000, 7500, 85400, 7861 (b) 1971, 45321, 88715, 92547
4) Arrange the following numbers in descending order :
(a) 847, 9754, 8320, 571 (b) 9801, 25751, 36501, 38802

4). A bus started its journey and reached different places with a speed of 40 km/hour.

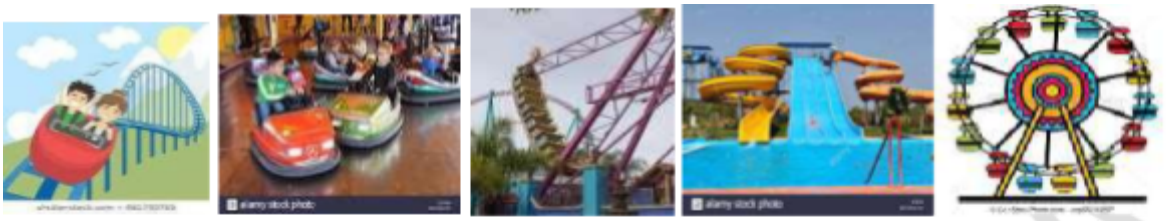


(i) Find the total distance covered by the bus from A to D.
(ii) Find the total distance covered by the bus from D to G.

(iii) Find the total distance covered by the bus, if it starts from A and returns back to A.
(iv) Can you find the difference of distances from C to D and D to E?
(v) Find out the time taken by the bus to reach

5. Write the corresponding numeral for each of the following:
(i) $7 \times 1000 + 2 \times 1000 + 5 \times 100 + 9 \times 10 + 6 \times 1$
(ii) $4 \times 100000 + 5 \times 1000 + 1 \times 100 + 7 \times 1$
(iii) $8 \times 1000000 + 3 \times 1000 + 6 \times 1$
(iv) $5 \times 10000000 + 7 \times 1000000 + 8 \times 1000 + 9 \times 10 + 4$

6) **Amusement Park**



Five friends Rahul, Alok, Ritesh, Shruti and Pinky go to an amusement park. They were very excited reaching there. The admission fee is Rs 135 per child. There are 35 types of different rides in the Amusement Park.

Rahul rides Roller Coaster 3 times, Fairywheel 2 times, Water slide 8 times. Alok rides Pirate Ship 2 times, Roller Coaster 2 times and Fairy wheel one time. Ritesh rides Fairywheel 3 times, Pirate ship

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After enjoying all rides, they went to enjoy the Bumper car. While riding on Bumper car they hit each Other. Rahul hit five times, Alok 3 times, Ritesh 4 times while Shruti did not hit any car and Pinky hit two times only.

Q 1. The approximate amount (rounded off to 100) of total admission fee is -
(a) Rs 670 (b) Rs 600 (c) Rs 700 (d) Rs650

Q 2. Find the total number of rides taken by each student and arrange in ascending order
Q 3. Write the total number of rides taken by 5 students in Roman Number.

Q 4. Arrange the number of hits by Bumper cars in ascending and descending order and find the difference of the numbers so formed ?

7)1.. Are all natural numbers also whole numbers?
2. Are all whole numbers also natural numbers?
3. Which is the greatest whole number?

8)1.Write the predecessor and successor of 18; 1997; 12001; 49; 100003.
2. Is there any natural number that has no predecessor?
3. Is there any natural number which has no successor? Is there a last natural number?

9)

CRICKET

The **2011** ICC **Cricket World Cup** was the tenth **Cricket World Cup**. It was played in India, Sri Lanka, and Bangladesh (for the first time). India won the tournament, defeating Sri Lanka by 6 wickets in the **final** at Wankhede Stadium in Mumbai, thus becoming the first country to win the **Cricket World Cup final** on home soil. Runs scored by the batsman of both the teams in this match were as follows:

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4	M. JAYAVARDENE	103	13
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Q1: Which team won 2011 cricket world cup final match?

(a) Sri Lanka (b) India (c) England (d) Australia

Q2 How many players of Indian team scored equal to smallest whole number.

(a) 4 (b)1 (c) 2 (d) 3

Q3 How many more runs M. S. Dhoni need to reach highest two digit number?

Q4. Write the name of player of team India, who did not score boundary.

Q5.Represent the total no. of boundaries hit by Virat Kohli and M.S. Dhoni together on number line.

Q6. In Sri Lanka team, score of which player is predecessor of score of T. PARERA?

Q7 Find the product of runs, scored by M. JAYAVARDENE and K. SANGAKKARA by using distributive property.

Q8. Calculate total number of boundaries hit by Sri Lanka team.

Q9. If there is a prize of Rs. 4689 on hitting each boundary. Calculate total amount win by team India by hitting boundaries only

KENDRIYA VIDYALAYA MEG & CENTRE BENGALURU – 560042

SUMMER VACATION HOLIDAY HOMEWORK (2023 – 2024)

CLASS - 6

Section- E

ENGLISH	**CLASS VI** **1.Learner's Diary** **2.Paragraph Writing** **3.MDP** **Topic : Women in Space** **(Biography of any five women in space with pictures-their struggles and achievements to be highlighted) (8 to 10 pages)** **Read story books and make a list of new words and their meanings**
HINDI	लेख: 1. मैं और मेरे शौक 2. मेरी ग्रीष्मकालीन अवकाश पत्र: चार दिन के अवकाश के लिए प्राचार्य जी को एक पत्र लिखिए। परियोजना कार्य: अपने माता-पिता या दादा-दादी से बात करके अपने और उनके समय का तुलनात्मक अध्ययन कीजिए। अपने प्रिय मित्र के बारे में 20 वाक्य लिखिए। अपनी रुचि के अनुसार कोई एक कहानी लिखिए। अपने किसी भी एक भ्रमण स्थल का चित्र बनाकर उसके बारे में 20 वाक्य लिखिए।
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SOCIAL SCIENCE	**1. In Learners Diary write about 2 Topic taught.** **a)The Earth in the Solar System** **b)Understanding Diversity** **2. In A 4 size sheet draw and write about-** **a)Saptarishi constellation and pole star** **b)Solar Slystem** ***Put it in stick file.** **3. In chart paper, make a collage on "UNITY IN DIVERSITY"**
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KV MEG & CENTRE
HOLIDAY HOME WORK
MATHEMATICS
CLASS VI (2023-24)

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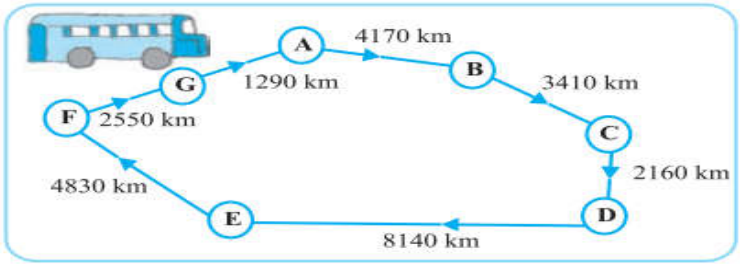

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KVS RO AGRA

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Q1: Which team won 2011 cricket world cup final match?

(a) Sri Lanka (b) India (c) England (d) Australia

Q2 How many players of Indian team scored equal to smallest whole number.

(a) 4 (b)1 (c) 2 (d) 3

Q3 How many more runs M. S. Dhoni need to reach highest two digit number?

Q4. Write the name of player of team India, who did not score boundary.

Q5.Represent the total no. of boundaries hit by Virat Kohli and M.S. Dhoni together on numberline.

Q6. In Sri Lanka team, score of which player is predecessor of score of T. PARERA?

Q7 Find the product of runs, scored by M. JAYAVARDENE and K. SANGAKKARA by using distributive property.

Q8. Calculate total number of boundaries hit by Sri Lanka team.

Q9. If there is a prize of Rs. 4689 on hitting each boundary. Calculate total amount win by teamIndia by hitting boundaries only

KENDRIYA VIDYALAYA MEG & CENTRE BENGALURU – 560042

SUMMER VACATION HOLIDAY HOMEWORK (2023 – 2024)

CLASS - 7

Section- A

ENGLISH	Learners Diary Write about 5 festivals from 5 different states.
HINDI	निबन्ध लेखन- नदीयो की लाभ रचनात्मक लेखन -हम् पक्षी उन्मुक्त गगन के – अनुमान ओर कल्पना prashna परियोजना कार्य -अपने आस पास् पाये जाने वाले पक्षियो की सूचि तैयार करके उसका चित्र बनाइये या चिपकाइये (A4 sheet mein).
SANSKRIT	संस्कृतभाषया प्रथमतः शतं (1 to 100)पर्यन्तं लिखित्वा आनयन्तु | दुर्बुद्धिः विनश्यति इति पाठस्य अभ्यासं लिखत	
MATHS	https://drive.google.com/file/d/1e1_oDaGv3pmVzXYGFcvInfMc6gDZckpB/view?usp=share_link
SCIENCE	Write a brief note on flora and fauna of your home town with pictures ● Daily read one paragraph and learn spellings of important terms ● Note down difficult words in your homework copy date wise (20 days) ● Toy based project.
SOCIAL SCIENCE	1. In **Learners Diary** write about 2 Topics taught. a)Environment b)On Equality 2.**Geography** - Draw a chart on COMPONENTS OF ENVIRONMENT or DOMAINS OF EARTH and write few lines about it. 3.**Political Science**- Draw and write about the following- i) Dr. Bhim Rao Ambedkar ii) Indian Constitution iii) Civil Rights Movement in United States And put it in stick file.
COMPUTER SCIENCE	1. NETWORK SECURITY LIFECYCLE 2. HTML Tags 3. TYPES OF COMPUTER NETWORK DRAW IN CHART AND PASTE THE PICTURES IN IT.

KENDRIYA VIDYALAYA MEG & CENTRE BENGALURU – 560042

SUMMER VACATION HOLIDAY HOMEWORK (2023 – 2024)

CLASS - ____VII_

Section-____B____

<table>
<tr><td>ENGLISH</td><td>1. Learner's Diary
2. MDP
Topic: Unity in Diversity
(Descriptive paragraph on the festivals of any five Indian states with pictures - background,importance to be highlighted)
(8 to 10 pages)
3. Letter Writing
4. Read story books and make a list of new words and their meanings</td></tr>
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<tr><td>2.</td><td>रचनात्मक लेखन : यदि आपके घर के किसी स्थान पर पक्षी ने अपना आवास बनाया है और किसी कारणवश आपको अपना घर बदलना पड़ रहा है तो आप उस पक्षी के लिए किस तरह के प्रबंध करना आवश्यक समझेंगे लिखिए ।</td></tr>
<tr><td>3.</td><td>कहानी लेखन : अपनी मनपसंद कोई एक कहानी लिखिए ।</td></tr>
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<tr><td>5.</td><td>अनुच्छेद लेखन : यदि मैं पक्षी होता ।</td></tr>
<tr><td>6.</td><td>महाभारत के पुस्तक का अध्ययन करते हुए अपने मनपसंद दो चरित्रों का वर्णन करें और यह बताएं कि यह चरित्र आपको प्रिय क्यों है?</td></tr>
<tr><td>7.</td><td>परियोजना कार्य: 1.पर्वत राज हिमालय 2. अपने आस पास पाए जाने वाले पक्षियों की सूची तैयार कीजिए ।</td></tr>
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MATHS

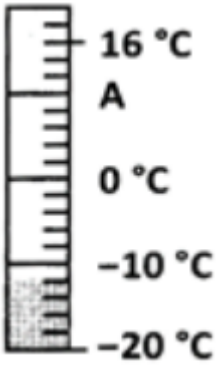
1. In the sequence of numbers 5, 8,13, A, 34, 55, 89 the vaiue of A is

2. A certain freezing process requires that room temperature be lowered from 40° 5°C every hour. What is the room temperature after 10 hours?

3. Match the following:

	Column - P		Column-Q
(i)	(132)÷(−6)	(a)	49
(ii)	(−144)÷(+16)	(b)	8
(iii)	(−32)÷(−4)	(c)	(-9)
(iv)	(392)÷(8)	(d)	(-22)

4. Direction: The figure shows a thermometer that records a winter day's tempera What is the missing digit on the thermometer denoted by A?



5. A man descends into an underground floor at the rate of 6 metres per minute. I from 10 metres above the ground level, how much time will it take to descend the ground?

6. The missing fraction in the series given below is $\frac{4}{9}, \frac{13}{9}, \frac{22}{9}, ___, \frac{40}{9}$

7. Solve the following:
(i) (-15) × 8 + (-15) × 4
(ii) [32 + 2 × 17 + (-6)] ÷ 15

8. In a class test containing 10 questions, 3 marks are awarded for every correct a mark is awarded for every incorrect answer and 0 for the questions not attempt three correct and six incorrect answers out of nine questions he attempts. What

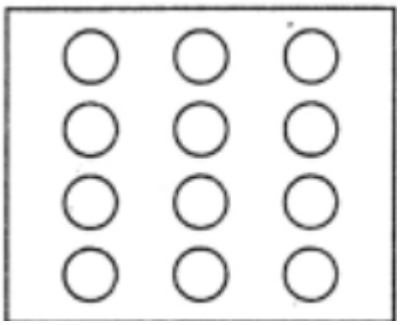
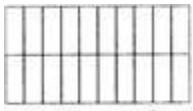
9. The decimals 0.919, 9.19, 0.0919, 91.96 and 0.9919 can be arranged in descen

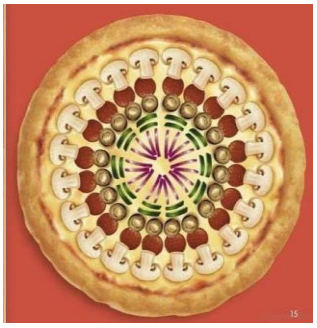
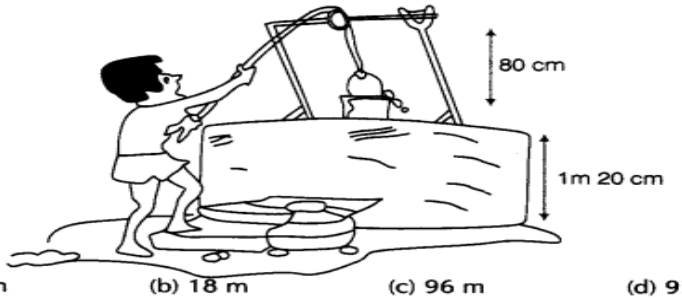
10. The value of the expression $(2\frac{3}{6} + \frac{4}{9})$ is

11. Multiply and reduce to lowest form and convert into a mixed fraction:
i) 7 x $\frac{3}{6}$ ii)20 x $\frac{4}{5}$ iii) 11 x $\frac{5}{7}$

12. The distance between two cities X and Y is 50 km. Ramesh travels from city X scooter with an average speed of 30 km/h. How long will it take him to reach c

13. Examine the containers below. Which container holds $\frac{1}{8}$ litre of liquid?

		Drinking Glass (400 ml of water) Cereal Bowl (200 ml of milk) Tea Cup (125 ml of tea) Lemonade Pitcher (1000 ml of lemonade)	
	14.	Shade $\frac{3}{4}$ of the circles in the box 	
	15.	If $100-\frac{1}{5}\times R = 0$, then what is the value of R ?	
	16.	How many parts should be shaded in the figure B to make it represent the same fraction unshaded part of the figure A? Figure A  Figure B	
	17.	Find: $(a)\ \frac{1}{2}$ of $(i)\ 2\frac{3}{4}$ $(ii)\ 4\frac{2}{9}$ $(b)\ \frac{5}{8}$ of $(i)\ 3\frac{5}{6}$ $(ii)\ 9\frac{2}{3}$	
	18.	CASE BASED QUESTION:1 Priya is an animal lover. She loves animals and takes care of them whenever she gets ti loves to spend her free time with them. There is an animal shelter near her house, whicl regularly. In this shelter there are total 150 animals. 4/6 of these animals are cats . ½ of are male. Q 1. How many total cats are there in the shelter? Q 2. How many total female cats are there in the shelter? Q 3. What fractions of animals at the shelter are male cat? Q 4. What is the number of total animals other than cats in the shelter?	

	19.	CASE BASED QUESTION :2 Riya, Teena and John are three friends. They meet after long time. They go to enjoy PIZ together. While Riya wants capsicum and onion as toppings in her pizza, John wants m and pepperoni and Teena wants to have black olives and capsicum. After much discussi finally agree to have a combination of all the toppings with equal number of pieces of e  Q 1. What is the fraction of mushrooms in all the toppings in this pizza? Q 2. If there are total 20 pieces of capsicum and fraction of capsicum pieces is 1/5 of toppings, find the total number of pieces of all the toppings in the pizza. Q 3. Find the fraction of choice of Riya's toppings in Pizza. Q 4. What is the sum of fractions of all the five toppings?
	20.	CASE BASED QUESTION: 3 Water level in a well was 20 m below ground level. During rainy season, rainwater coll different water tanks was drained into the well and the water level rises 5 m above the p level. The wall of the well is lm 20cm high and a pulley afixed at a height of 80 cm. Ra to draw water from the well. The minimum length of the rope, that he can use is  (a) 17 m (b) 18 m (c) 96 m (d) 97 m
	ACTIVITY - Make a colorful greeting card of size 15cm × 12cm on the following topic according to your roll number. 1. Properties of Integers (Roll No. 1-22) 2. Different types of fractions Roll No.(23-45)	
SCIENCE	1. Write down about how a balanced diet affect our life. 2. Write about some terrestrial, aquatic and saprophytic plants with examples. 3. Write down the difference between milk and permanent teeth with formula. 4. Write down about the uses of polythene and disadvantage of it. Also explain how we can minimise the use of polythene. 5. Make five one word question from each chapter. 6. Make a chart on one of the below topic: - Photosynthesis - Digestive System of Human 7. Prepare a project file on *Nutrition in Animals*	

SOCIAL SCIENCE	1. On a political map of India locate all the states and UT in it. 2. On a political map of world locate following countries: I. Pakistan, Bangladesh, Bhutan, srilanka , Japan, South Africa, Brazil, England, China, Russia 3. Draw the following diagram: I. Domains of the earth II. Interior of the earth III. Rock cycle 4. Write the preamble of Indian constitution.
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KENDRIYA VIDYALAYA MEG & CENTRE BENGALURU – 560042

SUMMER VACATION HOLIDAY HOMEWORK (2023 – 2024)

CLASS - 7

Section- C

ENGLISH	Learners Diary Write about 5 festivals from 5 different states.
HINDI	निबन्ध लेखन- नदीयो की लाभ रचनात्मक लेखन -हम् पक्षी उन्मुक्त गगन के – अनुमान ओर कल्पना prashna परियोजना कार्य -अपने आस पास् पाये जाने वाले पक्षियो की सूचि तैयार करके उसका चित्र बनाइये या चिपकाइये (A4 sheet mein).
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MATHS	https://drive.google.com/file/d/1e1_oDaGv3pmVzXYGFcvInfMc6gDZckpB/view?usp=share_link
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KENDRIYA VIDYALAYA MEG & CENTRE BENGALURU – 560042

SUMMER VACATION HOLIDAY HOMEWORK (2023 – 2024)

CLASS - ____7__

Section-___D_____

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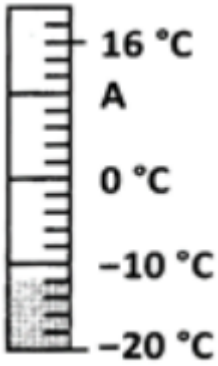
	4.	Direction: The figure shows a thermometer that records a winter day's te the missing digit on the thermometer denoted by A? 
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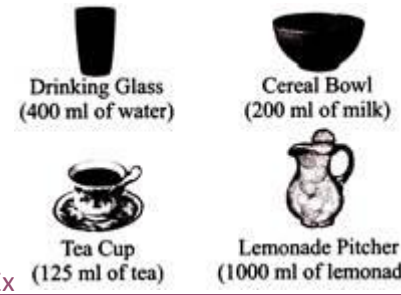
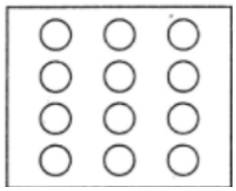
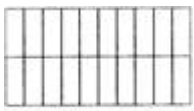
	13.	 Ex Eamine the containers below. Whic
	14.	Shade of the circles in the box 
	15.	If 100− ×R = 0, then what is the value of R ?
	16.	How many parts should be shaded in the figure B to make it represent th unshaded part of the figure  Figure B A?
	17.	Find: $(a)\ \frac{1}{2}$ of $(i)\ 2\frac{3}{4}$ $(ii)\ 4\frac{2}{9}$ $(b)\ \frac{5}{8}$ of $(i)\ 3\frac{5}{6}$ $(ii)\ 9\frac{2}{3}$
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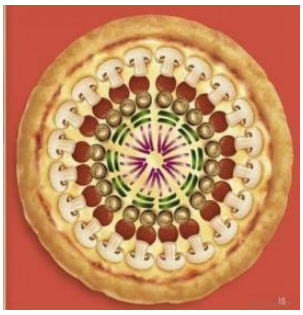
	19.	CASE BASED QUESTION :2 Riya, Teena and John are three friends. They meet after long time. T together. While Riya wants capsicum and onion as toppings in her and pepperoni and Teena wants to have black olives and capsicum. finally agree to have a combination of all the toppings with equal n  Q 1. What is the fraction of mushrooms in all the toppings in this Q 2. If there are total 20 pieces of capsicum and fraction of capsi toppings, find the total number of pieces of all the toppings in the p Q 3. Find the fraction of choice of Riya's toppings in Pizza. Q 4. What is the sum of fractions of all the five toppings?

SCIENCE	**Instructions:** Do your work neatly Complete your notebook. Prepare for test after vacation (1stand 2ndchapter). Write down the answers of below questions in your Science Homework notebook. Write down about how a balanced diet affect our life. Write about some terrestrial, aquatic and saprophytic plants with examples. Write down the difference between milk and permanent teeth with formula. Write down about the uses of polythene and disadvantage of it. Also explain how we can minimise the use of polythene. Make five one-word question from each chapter. Make a chart on one of the below topics: Photosynthesis Digestive System of Human Prepare a project file on ***Nutrition in Animals***
SOCIAL SCIENCE	1. In **Learners Diary** write about 2 Topics taught. a) Environment b) On Equality 2.**Geography** - Draw a chart on COMPONENTS OF ENVIRONMENT or DOMAINS OF EARTH and write few lines about it. 3.**Political Science**- Draw and write about the following- i) Dr. Bhim Rao Ambedkar ii) Indian Constitution iii) Civil Rights Movement in United States And put it in stick file.

KENDRIYA VIDYALAYA MEG & CENTRE BENGALURU – 560042

SUMMER VACATION HOLIDAY HOMEWORK (2023 – 2024)

CLASS - 7 E

Section- E

ENGLISH	**1. Learner's Diary** **2. MDP** **Topic: Unity in Diversity** **(Descriptive paragraph on the festivals of any five Indian states with pictures - background,importance to be highlighted)** **(8 to 10 pages)** **3. Letter Writing** **4. Read story books and make a list of new words and their meanings**
HINDI	1 **अनुच्छेद लेखन:** **1 जल ही जीवन है।** **2 ग्रीष्मकालीन छुट्टियों के मेरे दिन।** **2 पत्र लेखन – चार दिन के अवकाश के लिए प्राचार्य को पत्र लिखे।** **3 अपनी मनपसंद कोई कहानी लिखे।** **परियोजना कार्य – पर्वतराज हिमालय**
MATHS	https://drive.google.com/file/d/1ZFGwubRCFsxbJdutDM12rdmyOnz7C2h_/view?usp=drivesdk
SCIENCE	**1. Revise and learn 1 and 2 chapter** **2. How a balanced diet affects our life?** **3. Write some terrestrial, water and saprophytic plants.** **4. Write the difference between milk & permanent teetglh.** **5. List some uses of polythene and also some disadvantage of in your notebook.** **6. Make a chart on any topic** **I. Digestive system** **II. Photosynthesis** **7. Make 5 one word question from each chapter that covered in syllabus.** **8. File project – based on nutrition in animals.**
SOCIAL SCIENCE	**1. On a political map of India locate all the states and UT in it.** **2. On a political map of world locate following countries:** **I. Pakistan, Bangladesh, Bhutan, srilanka , Japan, South Africa, Brazil, England, China, Russia** **3. Draw the following diagram:** **I. Domains of the earth** **II. Interior of the earth** **III. Rock cycle** 4. **Write the preamble of Indian constitution.**
COMPUTER SCIENCE	**1. NETWORK SECURITY LIFECYCLE** **2. HTML Tags** **3. TYPES OF COMPUTER NETWORK** **WRITE IN CHART AND PASTE PICTURES IN IT.**

KENDRIYA VIDYALAYA MEG & CENTRE BENGALURU – 560042

SUMMER VACATION HOLIDAY HOMEWORK (2023 – 2024)

CLASS - 8

Section- A

ENGLISH	**1. Learner's Diary** **2. MDP** **Topic: Unity in Diversity** **(Descriptive paragraph on the festivals of any five Indian states with pictures-background,importance to be highlighted)** **(8 to 10 pages)** **3. Letter Writing** **4. Read story books and make a list of new words and their meanings**
HINDI	ग्रीष्मकालीन अवकाश गृहकार्य 1) पत्र-आप अपने विद्यालय की छुट्टियां बिताने अपने किसी मनपसंद स्थान पर गए हैं वहां के अनुभव को साझा करते हुए अपने मित्र को पत्र लिखें। 2) लेख-मशीनीकरण:वरदान या अभिशाप 3) अपनी रचनात्मक शक्ति को दर्शाते हुए कोई कहानी लिखें। 4) भारत की खोज पुस्तक का अध्ययन करते हुए भारत की विविधता में एकता का उदाहरण सहित विस्तार से वर्णन करें। 5) नेहरू जी का जीवन परिचय लिखते हुए उनके आजादी से पहले व बाद के जीवन पर अपने विचार व्यक्त करें। 6) परियोजना कार्य: हाथ से बनी वस्तुओं को दर्शाते हुए उनका वर्णन करें। 7) शिक्षार्थी डायरी तैयार करें।
MATHS	https://drive.google.com/drive/folders/12aFGUsVdYrlV6FJjPOa9OczKjvKuMB2D
SCIENCE	Instructions: • Do your work neatly • Complete your notebook. • Prepare for test after vacation (1st and 2nd chapter). • Write down the answers of below questions in your Science Homework notebook. 1. Make 10 one word questions from 1. 2. Write down 2 benefits and 2 harmful effects of Microorganisms. 3. List five crops and write about their seasons with diagrams. 4. List ten food items that we obtain from animals and plants each. 5. Reuse plastic waste in your home and make some home furnishing item from it. Also make a report on A4 sheet that REUSE IS THE BEST WAY TO CONTROL THE PLASTIC POLLUTION. 6. Make a chart on one of the below topics: - SEED GERMINATION - SOME MICROORGANISMS 7. Prepare a project file on IMPROVED AGRICULTURE PRACTICES FOR CROP PRODUCTION.

SOCIAL SCIENCE	**1.Sustainable Development** **2.Consumer Rights** **Make a stick file (5-10)pages.Choose any one topic.Stick pictures,Drawings and write about it.**
COMPUTER SCIENCE	**1.E-COMMERCE AND ITS TYPES** **2. INTERNET SAFETY** **3. MENU'S IN MS WORD AND POWERPOINT** **MAKE A CHART AND PASTE THE PICTURES IN IT.**

KENDRIYA VIDYALAYA MEG & CENTRE BENGALURU – 560042

SUMMER VACATION HOLIDAY HOMEWORK (2023 – 2024)

CLASS - 8

Section- B

ENGLISH	**1. Learner's Diary** **2. MDP** **Topic: Unity in Diversity** **(Descriptive paragraph on the festivals of any five Indian states with pictures- background,importance to be highlighted)** **(8 to 10 pages)** **3. Letter Writing** **4. Read story books and make a list of new words and their meanings**
HINDI	ग्रीष्मकालीन अवकाश गृहकार्य 1) पत्र-आप अपने विद्यालय की छुट्टियां बिताने अपने किसी मनपसंद स्थान पर गए हैं वहां के अनुभव को साझा करते हुए अपने मित्र को पत्र लिखें। 2) लेख-मशीनीकरण:वरदान या अभिशाप 3) अपनी रचनात्मक शक्ति को दर्शाते हुए कोई कहानी लिखें। 4) भारत की खोज पुस्तक का अध्ययन करते हुए भारत की विविधता में एकता का उदाहरण सहित विस्तार से वर्णन करें। 5) नेहरू जी का जीवन परिचय लिखते हुए उनके आजादी से पहले व बाद के जीवन पर अपने विचार व्यक्त करें। 6) परियोजना कार्य: हाथ से बनी वस्तुओं को दर्शाते हुए उनका वर्णन करें। 7) शिक्षार्थी डायरी तैयार करें।
MATHS	

1.	Is –0.4 a rational number? Justify your answer
2.	Consider the expression $\frac{1}{\sqrt{k+7}}$. What can be the least positive integer value o k for it to become a rational number?
3.	Consider the equation below. $\frac{5}{6}+\left(\frac{1}{8}+\frac{16}{5}\right)=A+\frac{1}{8}$ Apply properties of rational numbers to find A.
4.	If $\frac{3}{7}+\frac{9}{11}+2k=\frac{12}{11}$,find k.
5.	Find $\frac{2}{5}\times\frac{-6}{7}-\frac{1}{14}-\frac{6}{7}\times\frac{3}{5}$ using properties of rational numbers.
6.	Evaluate $\frac{-2}{5}\times\frac{4}{7}\times\frac{15}{18}\times\frac{-14}{5}$
7.	Find any 5 rational numbers between $\frac{4}{9}$ and $\frac{5}{9}$.
8.	Find any 5 rational numbers between $\frac{-5}{8}$ and $\frac{1}{5}$.
10.	Write a linear equation in one variable and solve it.
12.	Consider the equation shown below: $5x-a=14$; where a is any number Given that $x=4$ is a solution of the equation, what is the value of a?
13.	Solve : $2\left(x-9\right)=-15$
14.	What is the solution of the linear equation $(4x-5)-(2+3x)=(7x-6)$?
15.	Solve the equation : $\frac{5u-3}{6}-\frac{3u+2}{3}=\frac{u}{6}-3$
16.	CASE BASED QUESTION :1 At a retail shop , the cost of a pot Rs.60 more than the cost of a broomstick.The cost of broomstick is x and the cost of pot is Rs.100. a) write a linear equation in x , representing the above situation. b)Find the cost of the broom stick
17.	CASE BASED QUESTION :2 The present age of Ravi's mother is 3 times the pesent age of Ravi. After 5 years , their ages will add upto 74. a) Write a linear equation representing the first statement. b)Find the prsent ages of Ravi and his mother.
18.	CASE BASED QUESTION :3 Mrs. Ratna, the owner of a saree shop knows that there are 700 sarees in he shop . She needs to know how many cotton sarees; designer sarees and sill sarees are in the shop. She knows that the shop has four times as many cotton sarees as silk sarees and half as many designer sarees as cotton sarees. These are the only types of sarees in the shop. a)Represent the number of each type of saree using a single variable. b)Write a linear equation in one variable using the given datails. c) How many of each type of saree are there in the shop?

ACTIVITY

Do an activity using paper cutting & pasting to verify that the 'sum of exterior angles of a tr hexagon is 360^0.'

SCIENCE	Instructions: •Do your work neatly •Complete your notebook. •Prepare for test after vacation (1st and 2nd chapter). •Write down the answers of below questions in your Science Homework notebook. 1.Make 10 one word questions from 1 and 2 chapter. 2.Write down symptoms and cure of common flue. 3.List five crops and write about their seasons with diagrams. 4.List ten food items that we obtain from animals and plants each. 5.Reuse plastic waste in your home and make some home furnishing item from it. Also make a report on A4 sheet that REUSE IS THE BEST WAY TO CONTROL THE PLASTIC POLLUTION. 6.Make a chart on one of the below topics: -SEED GERMINATION -SOME MICROORGANISMS 7.Prepare a project file on IMPROVED AGRICULTURE PRACTICES FOR CROP PRODUCTION.
SOCIAL SCIENCE	**1. In Learners Diary write about 3 Topics** **taught.** **a)How ,When and Where** **b)The Indian Constitution** **c) Resources** **2. Geography** **In stick file, paste or Draw some pictures** **and write about the following....** **a)Conservation of Resources** **b)Conservation of Soil** **c)Conservation of water** **d)How to fight Air Pollution.** **e)Sustainable Growth.** **3.Political Science** **In stick file paste pictures and write in 100 words about the following....**

	a)Democracy in Nepal **b) Dr. B. R. Ambedkar** **c) Our Fundamental Rights** **4. History** **Stick the photo of all the Governor Generals of British India and write few lines about them.**

KENDRIYA VIDYALAYA MEG & CENTRE BENGALURU – 560042

SUMMER VACATION HOLIDAY HOMEWORK (2023 – 2024)

CLASS - VIII

Section- C

ENGLISH	**https://docs.google.com/document/d/1QQS5viOCK04f4YRvGwIULcwY3SrbQc97/edit**
HINDI	ग्रीष्मकालीन अवकाश गृहकार्य 1) पत्र-आप अपने विद्यालय की छुट्टियां बिताने अपने किसी मनपसंद स्थान पर गए हैं वहां के अनुभव को साझा करते हुए अपने मित्र को पत्र लिखें। 2) लेख-मशीनीकरण:वरदान या अभिशाप 3) अपनी रचनात्मक शक्ति को दर्शाते हुए कोई कहानी लिखें। 4) भारत की खोज पुस्तक का अध्ययन करते हुए भारत की विविधता में एकता का उदाहरण सहित विस्तार से वर्णन करें। 5) नेहरू जी का जीवन परिचय लिखते हुए उनके आजादी से पहले व बाद के जीवन पर अपने विचार व्यक्त करें। 6) परियोजना कार्य: हाथ से बनी वस्तुओं को दर्शाते हुए उनका वर्णन करें। 7) शिक्षार्थी डायरी तैयार करें।
MATHS	https://drive.google.com/drive/folders/12aFGUsVdYrlV6FJjPOa9OczKjvKuMB2D
SCIENCE	https://drive.google.com/drive/my-drive
SOCIAL SCIENCE	**https://drive.google.com/drive/folders/12aFGUsVdYrlV6FJjPOa9OczKjvKuMB2D**
COMPUTER SCIENCE	**1. E-COMMERCE AND ITS TYPES** **2. INTERNET SAFETY** **3. MENU'SIN MS WORD AND POWERPOINT** **WRITE IT IN CHART AND PASTE THE PICTURES IN IT.**

KENDRIYA VIDYALAYA MEG & CENTRE BENGALURU – 560042

SUMMER VACATION HOLIDAY HOMEWORK (2023 – 2024)

CLASS - ____VIII_

Section-____D___

HINDI	ग्रीष्मकालीन अवकाश गृहकार्य 1) पत्र-आप अपने विद्यालय की छुट्टियां बिताने अपने किसी मनपसंद स्थान पर गए हैं वहां के अनुभव को साझा करते हुए अपने मित्र को पत्र लिखें। 2) लेख-मशीनीकरण:वरदान या अभिशाप 3) अपनी रचनात्मक शक्ति को दर्शाते हुए कोई कहानी लिखें। 4) भारत की खोज पुस्तक का अध्ययन करते हुए भारत की विविधता में एकता का उदाहरण सहित विस्तार से वर्णन करें। 5) नेहरू जी का जीवन परिचय लिखते हुए उनके आजादी से पहले व बाद के जीवन पर अपने विचार व्यक्त करें। 6) परियोजना कार्य: हाथ से बनी वस्तुओं को दर्शाते हुए उनका वर्णन करें। 7) शिक्षार्थी डायरी तैयार करें।
SCIENCE	1. Make 10 one word questions from 1 and 2 chapter. 2. Write down symptoms and cure of common flue. 3. List five crops and write about their seasons with diagrams. 4. List ten food items that we obtain from animals and plants each. 5. Reuse plastic waste in your home and make some home furnishing item from it. Also make a report on A4 sheet that REUSE IS THE BEST WAY TO CONTROL THE PLASTIC POLLUTION. 6. Make a chart on one of the below topics: - SEED GERMINATION - SOME MICROORGANISMS 7. Prepare a project file on IMPROVED AGRICULTURE PRACTICES FOR CROP PRODUCTION.
COMPUTER SCIENCE	1.E-COMMERCE AND ITS TYPES 2. INTERNET SAFETY 3. MENU'SIN MS WORD AND POWERPOINT WRITE IT IN CHART AND PASTE THE PICTURES IN IT

KENDRIYA VIDYALAYA MEG & CENTRE BENGALURU – 560042

SUMMER VACATION HOLIDAY HOMEWORK (2023 – 2024)

CLASS - 8

Section- E

ENGLISH	**1-Learners diary** **2.mdp topic unity in diversity** **(descriptive paragraph on festival of any five indian states with pictures ,background,important to be highlighted) 8 to 10 pages** **3.letter writing** **4.read story books and make a list of new words and meanings**
SANSKRIT	**१.प्रथम पाठः - सुभाषीतानां अर्थं भावार्थं च हिन्दी भाषायां लिखत ।** **२.बीलस्य वाणी न कदापि मे श्रुता पाठस्य हिन्दी भाषायां कथां लिखत।** **३. अस्मद्, , युसष्मद , यत् इत्यादीनां शब्दानां सप्तविभक्तिषु शब्दरूपाणि लिखत ।** **४. सन्धेः परिचयः लिखत।** **५. कस्यचित एकस्य सन्धेः उदाहरणस्वरूपं उदाहरणस्वरूप वर्णयत ।**
HINDI	**1)** पत्र-आप अपने विद्यालय की छुट्टियां बिताने अपने किसी मनपसंद स्थान पर गए हैं वहां के अनुभव को साझा करते हुए अपने मित्र को पत्र लिखें। **2)** लेख-मशीनीकरण:वरदान या अभिशाप **3)** अपनी रचनात्मक शक्ति को दर्शाते हुए कोई कहानी लिखें। **4)** भारत की खोज पुस्तक का अध्ययन करते हुए भारत की विविधता में एकता का उदाहरण सहित विस्तार से वर्णन क**रें।** **5) नेहरू जी का जीवन परिचय लिखते हुए उनके आजादी से पहले व बाद के जीवन पर अपने विचार व्यक्त करें।** **6) परियोजना कार्य: हाथ से बनी वस्तुओं को दर्शाते हुए उनका वर्णन करें।** **7) शिक्षार्थी डायरी तैयार करें।**
MATHS	https://drive.google.com/file/d/1XcRqEL75wrQvaoAFl0_mdmJoY4rLwZ6R/view?usp=drivesdk
SCIENCE	https://drive.google.com/file/d/1WY2C_saS_Y9kFlG8KObLcG7f18E7QfJR/view?usp=share_link
SOCIAL SCIENCE	**1 Why were surveys important under colonial administration ?** **what kind of surveys were carried out in rule ?** **2 what sources do historians use in writing about the Past ?** **3 what is meant by the concept of separation of power ?** **4 what does the preamble to the constitution contain ?** **5 draw a diagram of soil Make the MCQs of time in each lessons 1 resources** **2 the Indian constitution How when and where**
COMPUTER SCIENCE	**1. E-COMMERCE AND ITS TYPES** **2. INTERNET SAFETY** **3. MENU'S IN MS WORD AND MS POWERPOINT** **DRAW IN A CHART AND PASTE ANY DRAWINGS OR PICTURES IN IT**

SUMMER HOLIDAY HOMEWORK 2023-24

CLASS IX A

SUBJECT

ENGLISH-

1. Book Review/Movie Review
   (Should include a brief summary, major and minor characters, what they liked about the movie, their favourite character and scene, how do they rate the book/movie)

   (4 to 5 pages)
2. Portfolio
3. MDP
   Topic: Famous Differently Abled Personalities

   (10 to 12 pages)

20 Common Errors in English

HINDI-

प्रश्न **1.पत्र-** लेखन

1. मौहल्ले में सफाई करवाने हेतु जिला कलेक्टर को एक पत्र लिखिए।

2. अपने मित्र को प्रातःकालीन भ्रमण और योग का महत्व बताते हुए एक प्रेरणा पत्र लिखिए।

प्रश्न **2.संवाद-लेखन**

1. स्वच्छता पर दो मित्रों के बीच हुए संवाद को लिखिए।

2. मरीज एवं डॉक्टर के बीच हुए संवाद को लिखिए।

प्रश्न **3.अनुच्छेद** लेखन

-वृक्षारोपण-इंटरनेट का महत्व

प्रश्न **4** उपसर्ग और प्रत्यय की परिभाषा लिखिए प्रत्येक के 10-10 उदाहरण लिखिए।

प्रश्न **5** पढाए गए पाठों के प्रश्न उत्तर याद करने है।

प्रश्न **6.** संज्ञा,सर्वनाम, विशेषण, क्रिया, क्रियाविशेषण को उदाहरण सहित लिखिए।

SOCIAL SCIENCE- Project work Topic: Disaster management Pages: 10-15 pages in A4 sheets

KENDRIYA VIDYALAYA MEG & CENTRE BENGALURU – 560042

SUMMER VACATION HOLIDAY HOMEWORK (2023 – 2024)

CLASS - __9____

Section-____B____

English - Book Review/Movie Review

(Should include a brief summary, major and minor characters, what they liked about the movie, their favourite character and scene, how do they rate the book/movie)

(4 to 5 pages)

Portfolio

MDP

Topic: Famous Differently Abled Personalities

(10 to 12 pages)

20 Common Errors in English

HINDI-प्रश्न 1.पत्र- लेखन

1. मौहल्ले में सफाई करवाने हेतु जिला कलेक्टर को एक पत्र लिखिए।

2. अपने मित्र को प्रातःकालीन भ्रमण और योग का महत्व बताते हुए एक प्रेरणा पत्र लिखिए।

प्रश्न 2.संवाद-लेखन

1. स्वच्छता पर दो मित्रों के बीच हुए संवाद को लिखिए।

2. मरीज एवं डॉक्टर के बीच हुए संवाद को लिखिए।

प्रश्न 3.अनुच्छेद लेखन

-वृक्षारोपण

-इंटरनेट का महत्व

प्रश्न 4 उपसर्ग और प्रत्यय की परिभाषा लिखिए प्रत्येक के 10-10 उदाहरण लिखिए।

प्रश्न 5 पढाए गए पाठों के प्रश्न उत्तर याद करने है।

प्रश्न 6. संज्ञा,सर्वनाम, विशेषण, क्रिया, क्रियाविशेषण को उदाहरण सहित लिखिए।

प्रश्न 7. पोर्टफोलियो गतिविधि

Maths- 1. Construct a square root spiral .

2. In a grid of 100 colour all the prime numbers.

3. Write five decimal number each of terminating decimal number, terminating repeating decimal number and non terminating non repeating decimal numbers lying between 7 and 8.

4. Write all the laws of exponents and write 3 examples for each .

5. Find out the decimal expansion of root 2 , root 7 , and root 3 by long division method.

6. Find 7 irrational numbers between 13 and 14

7. Find five rational numbers between 0 and -1.

8. Solve the following and mark the write answer.

SCIENCE -I Complete practical file

II Make notes of improvement in food resources chapter. III Solve these questions in HW notebook

1. What happens when an inflated air balloon is picked with a pin? Name the property of the gaseous state exhibited by this observation.

2. Name the state of matter in which:

(i) Layers of particles can slip and slide over one another easily.

(ii) Particles just move around randomly because of very weak force of attraction.

3. Kinetic energy of particles of water in three vessels A, B and C aíe EA, EB and

EC respectively and EA > EB > EC. Arrange the temperatures, ľA, ľBand ľC of water in the three vessels in increasing order.

4. Analyse the temperature versus time graph of water, given below.

Which region contains all liquids?

5. Why steam at 100°C is better for heating purposes than water at 100°C?

6.

(a) Name the changes in the terms of process P, Q, R and S?

(b) Which of the changes aíe exothermic and endothermic?

7. Why do we see water droplets on the outer surface of a glass containing ice cold water?

8. Can a rubber band change its shape on stretching? Is it a solid?

9. Alka was making tea in a kettle. Suddenly she felt intense heat from the puff of steam gushing out of the spout of the kettle. She wondered whether the temperature of the steam was higher than that of the water boiling in the kettle. Comment.

10. Why do the doctors advise to put strips of wet cloth on the forehead of a person having high fever?

SOCIAL SCIENCE-

Project work

Topic: Disaster management

Pages: 10-15 pages(A4 paper)

COMPUTER SCIENCE-

1. APPLICATION OF AI IN REAL LIFE
2. SUSTAINABLE DEVOLPMENT GOALS
3. ARTIFICAL NEURAL NETWORKS
4. DATA MODELLING
5. DATA VISUALISATION
6. APPLICATION OF NATURAL LANGUAGE PROCESSING
7. AI PROJECT CYCLE
8. HISTORY OF COMPUTER

KENDRIYA VIDYALAYA MEG & CENTRE BENGALURU – 560042

SUMMER VACATION HOLIDAY HOMEWORK (2023 – 2024)

CLASS - 9

Section- C

ENGLISH	**1. Book Review/Movie Review** **(Should include a brief summary, major and minor characters, what they liked about the movie, their favourite character and scene, how do they rate the book/movie)** **(4 to 5 pages)** **2. Portfolio** **3. MDP** **Topic: Famous Differently Abled Personalities** **(10 to 12 pages)** **4. 20 Common Errors in English**
HINDI	प्रश्न 1.पत्र- लेखन 1. मौहल्ले में सफाई करवाने हेतु जिला कलेक्टर को एक पत्र लिखिए। 2. अपने मित्र को प्रातःकालीन भ्रमण और योग का महत्व बताते हुए एक प्रेरणा पत्र लिखिए। प्रश्न 2.संवाद-लेखन 1. स्वच्छता पर दो मित्रों के बीच हुए संवाद को लिखिए। 2. मरीज एवं डॉक्टर के बीच हुए संवाद को लिखिए। प्रश्न 3.अनुच्छेद लेखन -वृक्षारोपण -इंटरनेट का महत्व प्रश्न 4 उपसर्ग और प्रत्यय की परिभाषा लिखिए प्रत्येक के 10-10 उदाहरण लिखिए। प्रश्न 5 पढाए गए पाठों के प्रश्न उत्तर याद करने है। प्रश्न 6. संज्ञा,सर्वनाम, विशेषण, क्रिया, क्रियाविशेषण को उदाहरण सहित लिखिए।

MATHS

1. Find the values of a and b in each of the following

(i) $(5+2\sqrt{3})/(7+4\sqrt{3}) = a-6\sqrt{3}$ ii) $(\sqrt{2}+\sqrt{3})/(\sqrt{2}-2\sqrt{3}) = =2-b\sqrt{6}$

iii) $(3+\sqrt{7})/(3-\sqrt{7}) = a+b\sqrt{7}$ iv) $(5+\sqrt{3})/(7-4\sqrt{3}) =47\ a + b\sqrt{3}$

V) $(2 + \sqrt{3})/(2 - \sqrt{3}) = a + b\sqrt{3}$

2.
3
7.
8.
9. x – x2 is a _____ polynomial.

a) Linear b) Quadratic c) Cubic d) None of the above

10. The coefficient of y^2 in given expression is $5y^3 - 2y^2 - 7y + 1$

a) 2 b) -2 c) 5 d) 7

11. The value of p(t) = 2+t+2t2−t3 when t=0 is

a) 2 b) 1 c) 4 d) 0

12. The zero of the polynomial f(x) = 2x+7 is

a) 2/7 b) -2/7 c)7/2 d) -7/2

13. If x + 1 is a factor of the polynomial 2x2 + kx, then the value of k is:

a) -3 b) 4 c) 2 d) -2

14. Find the value of $\sqrt[3]{216} - \sqrt[3]{125}$

a) 1 b) -1 c) $\sqrt[3]{91}$ d) 65

15. The decimal expansion of Rational number is

a) Terminating b) non-terminating recurring

c) non-terminating non-recurring d) Both a & b

16. $\sqrt{9}$ is _____ number.

a) A rational b. An irrational

c) Neither rational nor irrational d) None of the above

17. $\sqrt{6} \times \sqrt{27}$ is equal to:

a) $9\sqrt{2}$ b) $3\sqrt{3}$ c) $2\sqrt{2}$ d) $9\sqrt{3}$

	18. The number is a) an irrational number b) a rational number c) not a natural number d) none of these 19. 20. 21. 22. Draw √5 and √3 on number line.
SCIENCE	I Complete practical file II Make notes of improvement in food resources chapter. III Solve these questions in HW notebook 1. What happens when an inflated air balloon is pricked with a pin? Name the property of the gaseous state exhibited by this observation. 2. Name the state of matter in which: (i) Layers of particles can slip and slide over one another easily. (ii) Particles just move around randomly because of very weak force of attraction. 3. Kinetic energy of particles of water in three vessels A, B and C are EA, EB and EC respectively and EA > EB > EC. Arrange the temperatures, TA, TBand TC of water in the three vessels in increasing order. 4. Analyse the temperature versus time graph of water, given below. Which region contains all liquids? 5. Why steam at 100°C is better for heating purposes than water at 100°C? 6.

	(a) Name the changes in the terms of process P, Q, R and S? (b) Which of the changes are exothermic and endothermic? 7. Why do we see water droplets on the outer surface of a glass containing ice cold water? 8. Can a rubber band change its shape on stretching? Is it a solid? 9. Alka was making tea in a kettle. Suddenly she felt intense heat from the puff of steam Gushing out of the spout of the kettle. She wondered whether the temperature of the Steam was higher than that of the water boiling in the kettle. Comment. 10. Why do the doctors advise to put strips of wet cloth on the forehead of a person having High fever?
SOCIAL SCIENCE	***SST Summer Holiday Homework.** ***I. Choose any one disaster of your choice from the list given below.*** **1. Earthquake 2. Landslide 3. Tsunami 4. Volcano 5. Floods 6. Cloudburst 7. Sandstorm 8. Accidents(road,rail,air) 9. Chemical leaks 10. Global warming 11. Fire 12. Terrorism 13. Drought** **The students are requested to do a case study on the topic of their choice from the above list. The project has to be presented in the following manner.** **1.Introduction 2.Causes 3.Impacts 4.Do's and don'ts 5.Governments and NGO's interference and rehabilitation. 6. Suggestions 7.Case study 8.Picture gallery 9. List of references.** **NOTE:-The project should not exceed more than 10 pages.** ***II. Learn and write the exercise questions of the chapters taught.*** ***HISTORY*-THE FRENCH REVOLUTION** ***GEOGRAPHY*- INDIA SIZE AND LOCATION** ***III. Write name of the states and union territories of India and show on the Map and do all MAP activity from first chapter of GEOGRAPHY*.**
COMPUTER SCIENCE	**1. APPLICATION OF AI IN REAL LIFE** **2. SUSTAINABLE DEVOLPMENT GOALS** **3. ARTIFICAL NEURAL NETWORKS** **4. DATA MODELLING** **5. DATA VISUALISATION** **6. APPLICATION OF NATURAL LANGUAGE PROCESSING** **7. AI PROJECT CYCLE** **8. HISTORY OF COMPUTER**

KENDRIYA VIDYALAYA MEG & CENTRE BENGALURU – 560042

SUMMER VACATION HOLIDAY HOMEWORK (2023 – 2024)

CLASS - 9

Section- D

ENGLISH	**1. Book Review/Movie Review** **(Should include a brief summary, major and minor characters, what they liked about the movie, their favourite character and scene, how do they rate the book/movie)** **(4 to 5 pages)** **2. Portfolio** **3. MDP** **Topic: Famous Differently Abled Personalities** **(10 to 12 pages)** **4. 20 Common Errors in English**
HINDI	प्रश्न 1.पत्र- लेखन 1. मौहल्ले में सफाई करवाने हेतु जिला कलेक्टर को एक पत्र लिखिए। 2. अपने मित्र को प्रातःकालीन भ्रमण और योग का महत्व बताते हुए एक प्रेरणा पत्र लिखिए। प्रश्न 2.संवाद-लेखन 1. स्वच्छता पर दो मित्रों के बीच हुए संवाद को लिखिए। 2. मरीज एवं डॉक्टर के बीच हुए संवाद को लिखिए। प्रश्न 3.अनुच्छेद लेखन

	-वृक्षारोपण -इंटरनेट का महत्व प्रश्न 4 उपसर्ग और प्रत्यय की परिभाषा लिखिए प्रत्येक के 10-10 उदाहरण लिखिए। प्रश्न 5 पढाए गए पाठों के प्रश्न उत्तर याद करने है। प्रश्न 6. संज्ञा,सर्वनाम, विशेषण, क्रिया, क्रियाविशेषण को उदाहरण सहित लिखिए।
MATHS	1. Find the values of a and b in each of the following (i) $(5+2\sqrt{3})/(7+4\sqrt{3}) = a-6\sqrt{3}$ ii) $(\sqrt{2}+\sqrt{3})/(\sqrt{2}-2\sqrt{3}) = =2-b\sqrt{6}$ iii) $(3+\sqrt{7})/(3-\sqrt{7}) = a+b\sqrt{7}$ iv) $(5+\sqrt{3})/(7-4\sqrt{3}) =47\ a + b\sqrt{3}$ V) $(2 + \sqrt{3})/(2 - \sqrt{3}) = a + b\sqrt{3}$ 2. 3 7. 8. 9. x – x2 is a _____ polynomial. a) Linear b) Quadratic c) Cubic d) None of the above 10. The coefficient of y^2 in given expression is $5y^3 - 2y^2 - 7y + 1$ a) 2 b) -2 c) 5 d) 7

11. The value of p(t) = 2+t+2t2−t3 when t=0 is

a) 2 b) 1 c) 4 d) 0

12. The zero of the polynomial f(x) = 2x+7 is

a) 2/7 b) -2/7 c)7/2 d) -7/2

13. If x + 1 is a factor of the polynomial 2x2 + kx, then the value of k is:

a) -3 b) 4 c) 2 d) -2

14. Find the value of $\sqrt[3]{216} - \sqrt[3]{125}$

a) 1 b) -1 c) $\sqrt[3]{91}$ d) 65

15. The decimal expansion of Rational number is

a) Terminating b) non-terminating recurring

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16. √9 is _____ number.

a) A rational b. An irrational

c) Neither rational nor irrational d) None of the above

17. √6 x √27 is equal to:

a) 9√2 b) 3√3 c) 2√2 d) 9√3

18. The number is

a) an irrational number b) a rational number

c) not a natural number d) none of these

19.

	20. 21. 22. Draw √5 and √3 on number line.
SCIENCE	I Complete practical file II Make notes of improvement in food resources chapter. III Solve these questions in HW notebook 1. What happens when an inflated air balloon is pricked with a pin? Name the property of the gaseous state exhibited by this observation. 2. Name the state of matter in which: (i) Layers of particles can slip and slide over one another easily. (ii) Particles just move around randomly because of very weak force of attraction. 3. Kinetic energy of particles of water in three vessels A, B and C are EA, EB and EC respectively and EA > EB > EC. Arrange the temperatures, TA, TBand TC of water in the three vessels in increasing order.

	4. Analyse the temperature versus time graph of water, given below. Which region contains all liquids? 5. Why steam at 100°C is better for heating purposes than water at 100°C? 6. (a) Name the changes in the terms of process P, Q, R and S? (b) Which of the changes are exothermic and endothermic? 7. Why do we see water droplets on the outer surface of a glass containing ice cold water? 8. Can a rubber band change its shape on stretching? Is it a solid? 9. Alka was making tea in a kettle. Suddenly she felt intense heat from the puff of steam Gushing out of the spout of the kettle. She wondered whether the temperature of the Steam was higher than that of the water boiling in the kettle. Comment. 10. Why do the doctors advise to put strips of wet cloth on the forehead of a person having High fever?
SOCIAL SCIENCE	***SST Summer Holiday Homework.** ***I. Choose any one disaster of your choice from the list given below.*** **1. Earthquake 2. Landslide 3. Tsunami 4. Volcano 5. Floods 6. Cloudburst 7. Sandstorm 8. Accidents(road,rail,air) 9. Chemical leaks 10. Global warming 11. Fire 12. Terrorism 13. Drought** **The students are requested to do a case study on the topic of their choice from the above list. The project has to be presented in the following manner.** **1.Introduction 2.Causes 3.Impacts 4.Do's and don'ts 5.Governments and NGO's interference and rehabilitation. 6. Suggestions 7.Case study 8.Picture gallery 9. List of references.** **NOTE:-The project should not exceed more than 10 pages.** ***II. Learn and write the exercise questions of the chapters taught.*** ***HISTORY*-THE FRENCH REVOLUTION** ***GEOGRAPHY*- INDIA SIZE AND LOCATION** ***III. Write name of the states and union territories of India and show on the Map and do all MAP activity from first chapter of GEOGRAPHY*.**

COMPUTER SCIENCE-	1. **APPLICATION OF AI IN REAL LIFE** 2. **SUSTAINABLE DEVOLPMENT GOALS** 3. **ARTIFICAL NEURAL NETWORKS** 4. **DATA MODELLING** 5. **DATA VISUALISATION** 6. **APPLICATION OF NATURAL LANGUAGE PROCESSING** 7. **AI PROJECT CYCLE** 8. **HISTORY OF COMPUTER** **MAKE A CHART**

KENDRIYA VIDYALAYA MEG & CENTRE BENGALURU – 560042

SUMMER VACATION HOLIDAY HOMEWORK (2023 – 2024)

CLASS - 9

Sec on- E

SANSKRIT	ग्रीष्मकालीन गृहकार्यम् शब्दरूपाणि लिखत बालक -लता -कवि - नदी -साधु - पितृ -मातृ - राजन् - भवत - विद्वस् - गुणिन् - अस्मद - युष्मद - (तत् - इदम् त्रिषु लिङ्गेषु -)
SCIENCE	Science holidays homework 10 MCQ and 10(1 mark questions) the fundamental unit of life and the matter in our surroundings.
SOCIAL SCIENCE	Project work Topic: Disaster management Pages: 10-15 pages in A4 sheets
ENGLISH	1. BOOK REVIEW 2. PORTFOLIO: WELCOME TO MY PORTFOLIO I am ……. (name), admission number……. studying in KV MEG & Centre, Bengaluru in class…… Email ID: Contact no: Address: What I understand by portfolio is: In the end, my portfolio will reflect: My goals:

	My strengths and weaknesses: STRENGTHS: WEAKNESSES: To develop my strength I need to work on: My hobbies : My favourite writer: What I like the most about my favourite writer: My favourite book: What I like about English (as a subject 3. MDP TOPIC: Famous Differently Abled Personalities (10 to 12 pages) 4. 20 Common Errors in English

KENDRIYA VIDYALAYA MEG AND CENTRE

SUMMER VACCATION HOMEWORK (2023-24)

IX (MATHEMATICS)

Instructions:

- Do your work neatly
- Complete your notebook.
- Prepare for test after vacation (1st and 2nd chapter). SOLVE QUESTION IN SEPARATE NOTBOOK

1. Find the values of a and b in each of the following

(i) $\frac{5+2\sqrt{3}}{7+4\sqrt{3}} = a-6\sqrt{3}$ ii) $\frac{\sqrt{2}+\sqrt{3}}{\sqrt{2}-2\sqrt{3}} = =2-b\sqrt{6}$

iii) $\frac{3+\sqrt{7}}{3-\sqrt{7}} = a+b\sqrt{7}$ iv) $\frac{5+\sqrt{3}}{7-4\sqrt{3}} =47\ a + b\sqrt{3}$

V) $\frac{2+\sqrt{3}}{2-\sqrt{3}} = a + b\sqrt{3}$

2.

Find the value of $\frac{4}{(216)^{\frac{-2}{3}}} + \frac{1}{(256)^{\frac{-3}{4}}} + \frac{2}{(243)^{\frac{-1}{5}}}$

3

Evaluate: $(i)\left(\frac{256}{6561}\right)^{\frac{3}{8}}\ (ii)(15625)^{\frac{1}{6}}\ (iii)\left(\frac{343}{1331}\right)^{\frac{1}{3}}\ (iv)\sqrt[8]{\frac{6561}{65536}}$

4. Express the following in p/q form: (i) $1.2\overline{45}$ (ii) $2.\overline{35}$ (iii) $3.\overline{245}$

5. Find two rational and irrational numbers between $\sqrt{2}$ and $\sqrt{3}$.

6. Find two rational and irrational numbers between $\frac{2}{5}$ and $\frac{3}{5}$

7.

Evaluate: $(i)\left(\frac{625}{81}\right)^{-\frac{1}{4}}\ (ii)\left(6.25\right)^{\frac{3}{2}}\ (iii)\left(0.000064\right)^{\frac{5}{6}}\ (iv)\left(17^2-8^2\right)^{\frac{1}{2}}$

8.

If $25^{x-1}=5^{2x-1}-100$, then find the value of x.

9. $x - x^2$ is a _____ polynomial.
a) Linear b) Quadratic c) Cubic d) None of the above

10. The coefficient of y^2 in given expression is $5y^3 - 2y^2 - 7y + 1$
a) 2 b) -2 c) 5 d) 7

11. The value of $p(t) = 2+t+2t^2-t^3$ when t=0 is
a) 2 b) 1 c) 4 d) 0

12. The zero of the polynomial f(x) = 2x+7 is
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13. If x + 1 is a factor of the polynomial $2x^2 + kx$, then the value of k is:
a) -3 b) 4 c) 2 d) -2

14. Find the value of $\sqrt[3]{216} - \sqrt[3]{125}$
a) 1 b) -1 c) $\sqrt[3]{91}$ d) 65

15. The decimal expansion of Rational number is
a) Terminating b) non-terminating recurring
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16. $\sqrt{9}$ is _____ number.
a) A rational b. An irrational
c) Neither rational nor irrational d) None of the above

17. $\sqrt{6} \times \sqrt{27}$ is equal to:
a) $9\sqrt{2}$ b) $3\sqrt{3}$ c) $2\sqrt{2}$ d) $9\sqrt{3}$

18. The number $(3-\sqrt{3})(3+\sqrt{3})$ is
a) an irrational number b) a rational number

c) not a natural number d) none of these

19.

. **Assertion :** The rationalizing factor of $3 + 2\sqrt{5}$ is $3 - 2\sqrt{5}$.
Reason : If the product of two irrational numbers is rational then each one is called the rationalising factor of the other.

(a) Both assertion (A) and reason (R) are true and reason (R) is the correct explanation of assertion (A).
(b) Both assertion (A) and reason (R) are true but reason (R) is not the correct explanation of assertion (A).
(c) Assertion (A) is true but reason (R) is false.
(d) Assertion (A) is false but reason (R) is true.

20.

. **Assertion :** $11^3 \times 11^4 = 11^{12}$
Reason : If $a > 0$ be a real number and p and q be rational numbers.
Then $a^p \times a^q = a^{p+q}$.

(a) Both assertion (A) and reason (R) are true and reason (R) is the correct explanation of assertion (A).
(b) Both assertion (A) and reason (R) are true but reason (R) is not the correct explanation of assertion (A).
(c) Assertion (A) is true but reason (R) is false.
(d) Assertion (A) is false but reason (R) is true.

21.

. **Assertion :** $2 + \sqrt{3}$ is an irrational number.
Reason : Sum of a rational number and an irrational numbers is always an irrational number.

(a) Both assertion (A) and reason (R) are true and reason (R) is the correct explanation of assertion (A).
(b) Both assertion (A) and reason (R) are true but reason (R) is not the correct explanation of assertion (A).
(c) Assertion (A) is true but reason (R) is false.
(d) Assertion (A) is false but reason (R) is true.

22. Draw $\sqrt{5}$ and $\sqrt{3}$ on number line.

WELCOME TO MY PORTFOLIO

I am ……. (name), admission number…….studying in KV MEG & Centre, Bengaluru in class……

Email ID:

Contact no:

Address:

What I understand by portfolio is:

In the end, my portfolio will reflect:

My goals:

My strengths and weaknesses:

STRENGTHS:

WEAKNESSES:

To develop my strength I need to work on:

My hobbies :

My favourite writer:

What I like the most about my favourite writer:

My favourite book:

What I like about English (as a subject):