B.M. BHARTI MODEL SCHOOL

A Senior Secondary School)
(Recognized and Affiliated to CBSE)
Majri, Delhi – 110081
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Have a great summer Vacation!

Dear students and parents

It's summer time when faces light up with a grin as holidays are about to begin It's time for the children to play and enjoy Free, unbound, high-spirited but safe at home. Summer break is a vacation time student eagerly waits for. So, now is the time to unlock the days creatively making the most while at home. So, adopt a herb, a house plant or a flower, bake a cake, sing-along, paint and draw and compose your own song or take up your hobby as the school announces the summer vacation. To ensure that the children have a constructive holiday, some Art integrated homework and worksheets have been given which will keep the child active and observant. This work can easily be done by the children and you could assist only where required. Students have to do all the worksheets in their fair notebooks and other work must be done according to the instructions which were provided to you.

SUMMER VACATION HOMEWORK
SESSION 2024-25
CLASS-VII

ENGLISH	• Know the Authors Gather information about Mahadevi Verma, Subhadra Kumari Chauhan and Sudha Murthy. Also list down any two famous write ups of theirs with their picture. (A3 size sheet) • Make a beautiful collage of major women author of 19th century [Any 6]. Find out why women author used to write with 'pen name'? Find out one such author and write about her. • Make a beautiful bookmark for your literature book, Decorate it and write an inspirational quotation which inspires you. Get the bookmark laminated and bring to school with your name and class mentioned at its back side. • Draft your own newsletter with any creative name of your choice, Update it with any 5-5 National and International latest news and also do not forget to add such columns like self composed poems, Cross word, Riddles, poster on **"SAY NO TO JUNK FOOD"** or **"DO NOTABUSE"**, and any five latest facts of science and maths. You can also paste relevant picture to make it more attractive. • Write a letter to the Principal of your school, requesting him/her to remit your fine for being absence from the school.. • Fabricate a story from the outlines given below: • "Laughter is the best medicine". Have you ever prescribed it to anyone? [Write a short paragraph about it in 80-100 words]
SOCIAL SCIENCE	➢ Write a preamble of Indian Constitution beautifully on A3 size sheet. ➢ Interview any 5 maids/ domestic helpers in your society with the help of Questionnaire (10 question) related to health conditions accommodation, family status, environment, food habit, saving etc. file them in a folder. Also write a conclusion by providing measures to establish, "Dignity of Labors" in society and support it with pictures. ➢ Project work (Must contain at least 5 pages- Introduction, Topic description etc) ➢ Roll No 1-15 a project file on the biosphere and it's components. ➢ Roll No 16-30 a project file on the topic of democracy in India. ➢ Roll No 31 onwards a project file on the topic-interior layers of the Earth.
SCIENCE	➢ Hands on Activity 2.1 To count the number of teeth in mouth. (An ideal example of the same is given below in worksheets. Refer to that and prepare the observation details accordingly.) ➢ Make your own luffa/scubber out of dried bottle gourd. (https://www.youtube.com/watch?v=4ioU11rQyd8)
MATHS	➢ Make a chart on the properties of integers (Addition, Subtraction, Multiplication and Division). ➢ Make a spinning wheel on the types of fraction. ➢ BAR GRAPH - Collect maximum and minimum temperature of the first week of the June 2024. Plot the graph for the collected data and answer the following: a) Calculate average maximum temperature b) Calculate average minimum temperature

DRAWING	➤ Make a 'Clay Pot' and colour it beautifully also grow a sapling in it. ➤ Paint a Canvas beautifully with your own choice.
G.K	➤ Cut and paste at least two News weekly under the column. a) National news b) International news c) Sports news d) One discovery or Invention ➤ Grow five plants at your home that help purifying the environment and increase oxygen level. Mention the name of plants with their images and write their 3 uses in your note book.
COMPUTER	➤ Draw a chart and its components on A3 size sheet. (ch 2) Roll no. (1 to 12) ➤ Draw different types of charts on A3 size sheet. (ch 2) Roll no. (13 to 24) ➤ Write the properties of number system and draw equivalent table on A3 size sheet. (ch 1) Roll no. (25 to 37)
SANSKRIT	ग्रीष्मकालीन अवकाश गृहकार्य – 2024 विषय – संस्कृतम् कक्षा – सप्तम नोट :– ग्रीष्मकालीन अवकाश कार्य अपनी संस्कृत की कार्यपुस्तिका में करें। (1) साधु (उ का.) एवं पितृ शब्दका शब्दरूपं (2) भू (भव्), स्था (तिष्ठ) एवं लिख धातुस्य रूपं (3) दश शाकनाम्नां एवं दश पशुनाम्नां (4) अधोलिखित विषयोपरि पञ्चवाक्यानि लिखत ❖ मम प्रिय ग्रामं या मम विद्यालयम् ★ मम प्रिय ऋतु अधोलिखित शब्दानां त्रिषु वचनेषु रूपाणि लिखत। | शब्द	एकवचन	द्विवचन	बहुवचन
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(1) बालक			
(2) हस्त			
(3) फल			
(4) लता			
(5) शुक:				

ग्रीष्मकालीन अवकाश गृहकार्य
विषय – हिन्दी
कक्षा – सातवी

नोट : शब्द भंडार का निम्नलिखित कार्य व्याकरण की कॉपी में करें।

(क). पर्यायवाची शब्द – ईश्वर से पुत तक
(ख) विलोम शब्द – इच्छा से गुण तक
(ग) अनेक शब्दों के लिए एक शब्द (11 से 25 तक)
(घ) श्रुतिसम भिन्नार्थक शब्द (अनल से गृह तक)
(ङ) मुहावरें – 10 से 20 तक (अपने मुँह मियाँ मिट्ठू बनना से एड़ी चोटी का जोर लगाना
(च) लोकोक्तियाँ (1 से 8 तक) 145-146 पेज

नोट : निम्नलिखित कार्य फाइल में करें।

(क) एक लंबी कविता लिख कर याद करें। कविता स्वरचित भी हो सकती है
(ख) एक खाद्य पदार्थ व सौंदर्य प्रसाधन का विज्ञापन बनाएँ।
(ग) कोई 2 चित्र चिपकाकर चित्र वर्णन करें।
(घ) कोई एक अर्थपूर्ण चित्र चिपकाकर उस पर स्वरचित कहानी लिखें।
(ङ) 'समय प्रबंधन व भारत में शिक्षा प्रणाली पर भाषण लिखें।

व्याकरण के किसी एक विषय पर आकर्षक वाल हैंगिंग बनाएँ।

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SUBJECT-MATHEMATICS
WORKSHEET-1

1. Fill ups:-

   i.   (-10-10)÷{-10-(-10-10)} =_____

   ii.   I-7-3I_____I-(-7)-3I

   iii.   (-11+11-11+11-11+11…..up to 100 terms)= _____

   iv.   Operation of _____does not satisfies closure property.

   v.   Sum of successor of 10 with predecessor of -10 is____

   vi.   The reciprocal of mixed fraction is a_____ fraction.

   vii.   (Any fraction)÷ 0 is_____

   viii. 2/5÷5/2=_____

   ix.   Order of rotation of rotational symmetry for a rhombus is_____

   x.   Centre of rotation for an equilateral triangle is its_____

   xi.   Rotation is the turning of an object or as figure about a given _____through a given in clockwise or _____direction.

2. In a test, (+40) marks are given for every correct answer and (-2) marks for every wrong answer, Rohan answered all the questions and scored 68marks 25 of Rohit's answers were corect. How many of the questions he attempted were incorrect.

3. A shopkeeper brought 200 eggs for Rs320. Out of these eggs were found broken, He sold the remain eggs at the rate of Rs24 per dozen. What is his profit?

4. A cement company earns a profit of Rs 6 per bag of white cement sold and a loss of Rs4 per bag grey cement sold, The Company sells 3500 bags of white cement and 5500 bags of grey cement in a month. What is its profit or loss?

5. How much is 5/6 of 1 day?

6. Reciprocal of 5/7 hour is _____hour.

7. Simplify 0/1 x 1/2 x 2/3 x 4/5 x 5/6

8. How many two thirds make a 2?

9. The length of a rectangular park of area 144 ⅔ m² is 22 1/6m. What is the width of the park?

10. In a school, 4/11 of the students are girls, if there are 490 boys find the number of girls.

11. What is the order of rotational symmetry for the alphabet Z?

12. What is the order of rotational symmetry for a circle?

13. What is the angle of rotation for an equilateral triangle?

14. Draw a figure whose order of rotational is 3.

1. Fill in the blanks:

1) In photosynthesis solar energy is captured by the pigment called_____.
2) During photosynthesis plants take in _____and release _____.
3) Farmers enrich the soil by adding _____and_____.
4) In most of green plants, photosynthesis takes place in the_____.
5) Plants are unable to use atmospheric_____.

2. Multiple choice question:

1) In which form do plants store the product of photosynthesis?
a) Glycogen b) glucose c) starch d) cellulose
2) Which organ in the human has the similar functions as that of stomata in plants?
    a) Stomach b)lungs c) heart d) mouth
3) Amarbel is an example of
a) Autotroph b) parasite c) hetrotroph d) host
4) The plant which traps/feed on insects is-
a)Cuscuta b) Rose c)Pitcher plant d) sunflower
5) Which of these is/are necessary for photosynthesis to take place?
a)Carbon-di-oxide b) chlorophyll c) water d) All of these

3. Answer the following question:

1) Define:-
    i.   Autotrophs
    ii.   Stomata
    iii. Photosynthesis
2) Why do farmers add manures and fertilizers to soil?
3) What is the role of stomata?
4) Distinguish between parasite and saprophytes.
5) What are insectivorous plants? Give two examples.

4. Raghu walks 800mtrs to school everyday. He takes 30 minutes to reach school. Calculate the speed in Km/hr.
5. If the duration of flight from New Delhi to Malaysia is 6 hrs. The plane covers 3600km during this time. What is the speed at which the plane travels?
6. A cheetah runs at a speed of 90km/h. What is the distance it runs in 4 hours?
7. A car racer covers a distance of 100 km to win the race. He is racing at a speed of 40km/h. What will be the time taken by the racer to cover a distance of 100km.
8. Rehan travels by bus everyday at a speed of 40km/h. It takes 30 minutes to reach his school. Calculate the distance he covers in those 30 minutes.

TYPE OF TEETH	TEETH IN YOUR ELDER BROTHER	TEETH IN YOUR YOONGER SIBLING	TEETH IN YOUR MOUTH
1. INCISORS			
2. CANINES			
3. PREMOLARS			
4. MOLARS			
TOTAL			

WORKSHEET-3

1.Fill in the blanks:

(a) Saliva is secreted in the mouth by_____

(b) Largest gland in human body is_____.

(c)Tongue helps in_____ and_____.

(d) Insulin is released by_____.

2. Multiple Choice Questions:-

1. Which of these can be digested by ruminants but not humans?

(a)Fatty acids

(b) Cellulose

(c) Glucose

(d) Proteins.

2. The process of taking in food by an animal and utilization in the body is a called-

(a) ingestion

(b) digestion

(c) nutrition

(d)Egestion

3. Which of these ingets food by forming psuedopodia

(a) Aquatic Snake

(b) Fish

(c) Amoeba

(d) Eagle

4. The millions of tiny out growths on the inner surface of Small intestine are called-

(a) Vacuoles

(b) bile

(c) villi

(d) Pseudopodia

3. Answer the following questions:-

Define:-

(a) Absorption

(b) Egestion

2.Name the different types of teeth that an adult human has.

3. What are villi? Write its function..

4. Explain all the steps of holozoic nutrition in animals.

WORKSHEET-4
SUBJECT: SOCIAL STUDIES

1. Choose the correct answer.

a) Which is not a natural ecosystem?

i) desert ii) aquarium iii) forest

b) Which is not a component of human environment?

i) land ii) religion iii) community

c) Which is a threat to environment?

i) growing plant ii) growing population iii) growing crops

2. Write the answers of the following in one or two words.

a) What is the world of living organisms termed as?

b) What is the domain of water on earth called?

c) Which domain of the earth supports life?

d) Give one example of an ecosystem.

3. Write the answers of the following in 30 or 40 words.

a) What are the various elements of the natural environment? Give examples.

b) Mention two uses of water in our daily life. Explain in short.

c) What is Barter System? Explain in short.

d) How did communication become easier and speedy across the world?

4. Write the answers in about 60 words.

a) Man modifies his environment. (Give reasons)

OR

b) What is atmosphere?

WORKSHEET - 5
SUBJECT: ENGLISH

Q1. Some of these sentences are right, but some of them need a/an. Put in a/an where necessary. Write ok if the sentence is already correct.

1. I have not got watch.
2. Do you like cheese?
3. Reena never wears hat.
4. Are you looking for job?
5. Madhu does not eat meat.
6. She eats apple every day.
7. I am going to party tonight.
8. Music is wonderful thing.
9. Jamaica is island.
10. I don't need key.
11. Everybody needs food.
12. I have good idea.
13. Can you drive car?
14. Do you want cup of coffee?
15. I don't like coffee without milk.
16. Don't go out without umbrella.

Q2. Read the given passage carefully and answer the following questions:

What causes the monsoon? The monsoon, which is essentially the seasonal reversal in wind direction, causes most of the rainfall received in India and some other parts of the world. The primary cause of monsoons is the difference between annual temperature trends over land and sea. The apparent position of the Sun with reference to the Earth oscillates from the Tropic of Cancer to the Tropic of Capricorn. Thus the low pressure region created by solar heating also changes latitude. The northeast and southeast trade winds converge in this low pressure zone, which is also known as the Intertropical Convergence Zone or ITCZ. This low pressure region sees continuous rise of moist wind from the sea surface to the upper layers of the atmosphere, where the cooling means the air can no longer hold so much moisture resulting in precipitation. The rainy seasons of East Asia, sub-Saharan Africa, Australia and the southern part of North America coincide with the shift of ITCZ towards these regions.

Source: The Times of India

Word-Notes: Apparent-clearly seen-स्पष्ट। Oscillate-move to and fro-घूमना।

Questions:
Now answer the following questions by choosing correct options: Monsoon is

(a) A type of sea wave
(b) a seasonal reversal in wind direction
(c) very hot wind
(d) veiy cold wind.

1. What is the full form of ITCZ?
   (a) Intertrance Convergence Zone
   (b) Intertropical Convergence Zone
   (c) Intertropical Capricorn Zone
   (d) Intertropical Conveyance Zone.

2. The major cause of monsoon is the
   (a) difference between annual temperature trends over land and sea
   (b) difference between day and night temperature
   (c) moisture in the atmosphere
   (d) None of these.

3. Low pressure region is created by
   (a) solar heating
   (b) lunar cooling
   (c) moist wind
   (d) dry wind.

4. It rains when
   (a) moist wind goes down
   (b) dry wind meets moist wind
   (c) the air can no longer hold moisture resulting in precipitation
   (d) annual temperature goes down.

Q3. Name the Part of Speech of each italicised word in the following sentences, giving in each case your reason for the classification:

1. He *still* lives in that house.
2. The aftereffects of the drug are bad.
3. He told us all *about* the battle.
4. Suddenly one of the wheels came *off*.
5. Mohammedans *fast* in the month of Ramzan.
6. He kept the *fast* for a week.
7. He is *on* the committee.
8. Let us move *on*.
9. The *up* train is late.
10. I will watch *while* you sleep.

1. **उचित अव्ययपदं चित्वा रिक्तस्थान पूर्तिः क्रियताम**

(i) सीता ——————— पठति । (ii) असत्यं ——————— वद ।

(iii) अध्यापकः छात्राः ——— वदन्ति । (iv) वृद्धः ——————— गच्छति ।

(v) ——— परीक्षा अस्ति । (vi) अहं गृहात् ——————— तिष्ठामि ।

(बहिः, उच्चैः, मा, च, शनैः, अद्य)

2. **प्रकृति-प्रत्ययं कुरुत**

(i) क्षिप् + क्त्वा = ——————— (ii) गन्तुम् = ———+———

(iii) हस् + क्त्वा = ——————— (iv) त्रातुम् = ———+———

3. **संख्यान लिखत**

(i) 30 = ——————— (ii) 55 = ———————

(iii) 45 = ——————— (iv) 12 = ———————

4. **उचित शब्दरूपैः रिक्तस्थान पूर्तिः क्रियताम**

(i) अहं ———————पश्यामः (नेत्र)

(ii) पत्राणि ——————— पतन्ति (तरु)

(iii) एते ——————— सन्ति (साधु)

(iv) प्रधानाचार्यः ——————— पुरस्कारं गच्छति (छात्र)

5. **उचित धातुरूपैः रिक्तस्थान पूर्तिः क्रियताम**

(i) सूपकाराः भोजनं ——————— (पच्, लोट्)

(ii) ते कन्दुकेन ——————— (क्रीड्, लट्)

(iii) पुष्पाणि ——————— (विकस्, लङ्)

(iv) पुरुषाः उष्णं जलं ——————— (पिब्, लृट्)