



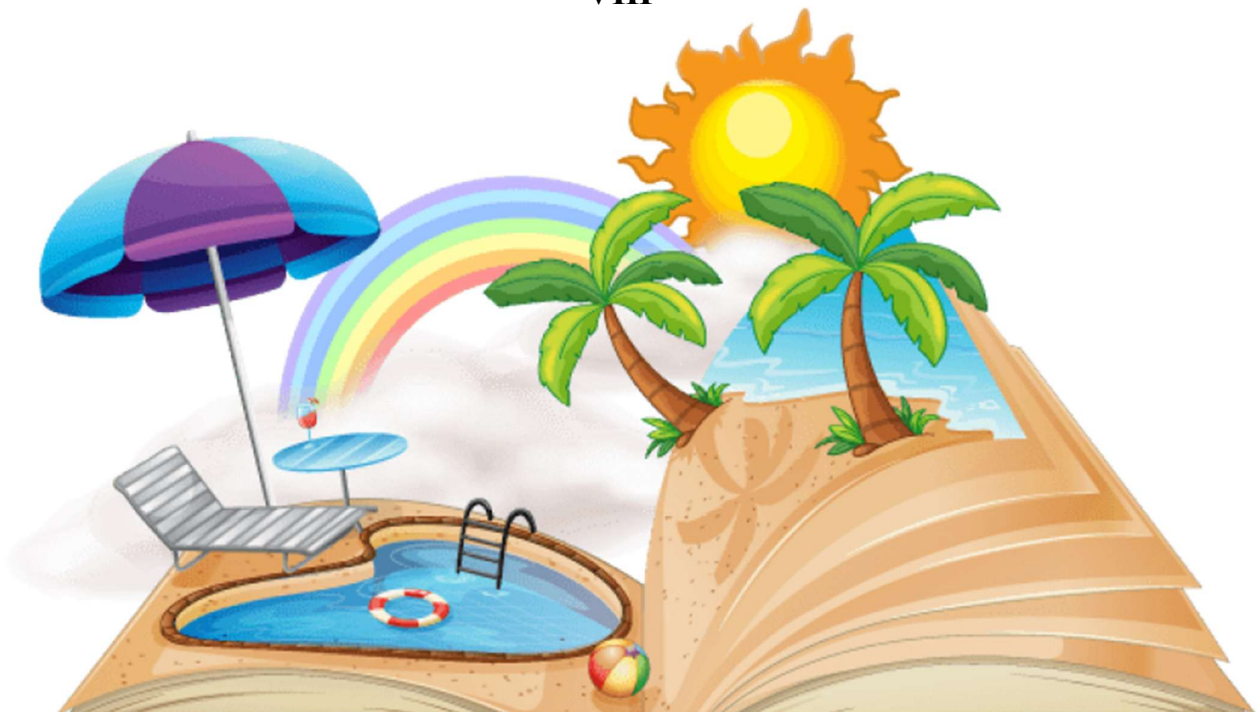
ST. XAVIER'S SCHOOL

Dharahara, Ballia (U.P.) - 277301

SUMMER HOLIDAYS HOMEWORK

SESSION-2025-26

VIII



Name: _____

Class: _____ Sec: _____

Roll no: _____

Teacher's Remark: _____

Grade/ Marks

Teacher's Signature

Note: This assignment is also available on the schools website. (www.xaviersschool.in)

Use A4 size papers for certain questions and attach those while submitting the homework.

Subject – English

I. Unseen Passage – Passage 1.

Read the following comprehension passage and answer the questions briefly:

A 92 year -old lady, who is fully dressed each morning by eight o'clock with perfect make up, even though she is blind, moved to an old age home. Her husband recently passed away. She didn't even have children too. After many hours of waiting patiently in the lobby she smiled sweetly when she was ready. She was provided a visual description of her tiny room.

"I love it," stated with the enthusiasm of an eight-year old having just been presented with a new puppy. "But.....but Mrs. Jones, you haven't seen the room, " said the attendant. "That doesn't have anything to do with it," she replied. "Happiness is something you decide, I have already decided to love it. It is a decision I make every morning I wake up. I can spend the day in bed, recounting the difficulty I have with the parts of my body that don't work. , or get out of bed and be thankful for the ones that do. Each day is a gift, and as long as I am alive I'll focus on the new day and all the happy memories I've stored away, just for this time in my life. 'The attendant was touched by the elderly woman's sense of cheer and boundless enthusiasm.

2.1 On the basis of the reading of the passage, answer the questions:

Q 1) Why did the old woman move to an old age home?

Ans: - _____

Q 2) How did she react when the attendant gave a description of the room she had to live in?

Ans: - _____

Q 3) What resolution did she make when she woke up every morning?

Ans: - _____

Q 4) What does the story tell about the old woman?

Ans: - _____

2.2 From the passage find out the one word substitute for the following explanations:

1) Give an account of _____

2) Unlimited _____

2.3 Find the antonym of the following words from the passage:

1) Whole _____

2) dead _____

Passage 2

Read the following comprehension passage carefully and answer the given questions.

Peter had two daughters. Once he asked them: “What is the sweetest thing in the world?”

“Honey!” said his elder daughter. “Salt”, replied the younger one. Peter got angry thinking that the younger daughter was making fun of him. A quarrel broke out between them and in a rage Peter drove her out of the house. As the pretty maiden was roaming about homeless, a young handsome prince saw her.

Struck by her beauty he took her to his splendid palace and married her. The bride invited her father, Peter, to the wedding feast without disclosing her identity. Rich and delicious dishes were served, but they were all without salt. As the guests began to eat the tasteless food, they started to complain loudly. “Ah”, said Peter, the bride’s father, “Salt is truly the sweetest thing in the world. When my daughter said so, I turned her out of the house. Oh God! If only I could see her again and beg for forgiveness”. The bride drew the veil from her face and went to greet her father. Soon, properly salted dishes were served and all the guests were satisfied.

Questions:

1. Why did Peter get angry with his younger daughter?

Ans: - _____

2. How did he punish her?

Ans: - _____

3. Who married the young girl?

Ans: - _____

4. The dishes served at the marriage feast were without salt
- a) to make them rich and delicious
 - b) because the guests complained
 - c) because the bride wanted to prove her point to her father
 - d) because the young girl had married a prince.

5. The guests complained, but Peter was sad. Why?

Ans: - _____

6. When were the guests satisfied?

Ans: - _____

7. Pick out the word from the passage which means 'tasting very good'.

Ans: - _____

Passage 3.

1. Can't Sleep ? Join the crowd. Millions of people have trouble getting enough restorative shut-eye. With recent research linking lack of sleep to health problems ranging from hypertension to weight gain, there's more reason than ever to make over your sleep habits. But how ?
2. You may have tried medication. You know to stay away from saboteurs like caffeine, nicotine and alcohol. And you've probably heard it's not wise to exercise too vigorously or eat too big a meal a couple of hours before bedtime.
3. Let Go of Your Worries. Anxieties often seem magnified in the still of the night. Dealing with them can help you sleep. Just writing down worries, deadlines or to-dos before hitting the pillow can make them feel more manageable.
4. Do whatever helps you relax. Try simple yoga exercises, like the forward bend. Standing with your legs hip-width apart, bend at your waist, letting your arms and head dangle while releasing the tension in your neck and shoulders. Or while lying on your back, do progressive muscle relaxation, tensing and then releasing body parts, beginning with your feet and progressing towards your forehead.
5. Cut the Light at Night. Avoid bright light, which signals the brain to be alert, within two to three hours of bedtime or if you wake up during the night. Michael Breus, suggests aiming for no more than 45 to 60 watts of light in the room when winding down before bedtime, and no more than 30 to 40 watts of indirect light when you're trying to sleep. Use low wattage or shielded night-lights in hallways and bathrooms. Make sure your bed is out of the way of direct sunlight, moonlight or streetlights.
6. Help cement the sleep-wake cycle by exposing yourself to bright light within an hour of waking up for the day, either by taking a 30-minute walk outside or by lingering in a part of the house that gets a lot of sunlight.
7. Follow the 20-Minute Rule. If you can't fall asleep in about 20 minutes, whether at bedtime or after awakening in the night, go into another room and do something else until you get drowsy. "The bedroom

needs to be associated with sleeping, not with being restless.” Estimate the 20 minutes; don’t use a clock or watch, which causes alertness and possible stress.

You can master in English Grammar of various classes by our articles like Tenses, Clauses, Prepositions, Story writing, Unseen Passage, Notice Writing etc.

8. Avoid things requiring concentration, such as video games; stimulating activities, like vigorous exercise or cleaning; or anything upsetting, like watching the news or paying bills. Try light reading or listening to music.
9. Re-do Your Bedroom. Make your bedroom more sleep-friendly. If noise from an adjacent room keeps you up, move your bed to another wall. Replace a sagging mattress and deflated pillows. If you must keep a computer switched on in the bedroom, cover the green light on the monitor’s switch with black electrical tape. If you insist on falling asleep with the TV on, use a timer.

(481 words)

Read the given passage and answer the questions that follow :

Questions

1. Why is it important to sleep well ?

Ans: - _____

2. How should the eating and drinking habits be regulated to have good sleep ?

Ans: - _____

3. How can the worries be made manageable before going to sleep ?

Ans: - _____

4. What do you understand by the phrase ‘progressive muscle relaxation’ ?

Ans: - _____

5. How much light should be there when one tries to sleep ?

Ans: - _____

6. How should the light be used when one gets up ?

Ans: - _____

7. What should one do if one is unable to sleep even after being in bed for twenty minutes or so.

Ans: - _____

8. What does the author suggest about mattresses and pillows in the bedroom ?

Ans: - _____

9. Which word in para 2 means the same as 'destroyers'?

Ans: - _____

10. Find the word in para 8 which is the opposite of 'discourage'.

Ans: - _____

11. Give the noun form of 'expose'.

Ans: - _____

12. Which part of speech is the word 'sagging' in para 9 ?

Ans: - _____

- II.** You are Yuvraj the football captain of your school and there are selections going on for the football team. Your sports teacher has requested you to put up a notice informing students about the trials that will be conducted for classes 6th to 12th. Draft a notice in not more than 50 words mentioning all the details.

III. Change the interrogative sentence to assertive and vice versa.

1. How did she hide from Ritika?

Ans: - _____

2. Would he answer me?

Ans: - _____

3. Many of these millions have succeeded.

Ans: - _____

4. She went to the kitchen.

Ans: - _____

5. Maggu's achievements are particularly noteworthy.

Ans: - _____

IV. Convert the following Simple Sentences into Compound Sentences by using the given Conjunctions.

(i) By risking the second arrow, I recovered the first arrow.

Ans: - _____

(ii) Despite being a true judge in dispensing his prudence, he was a poet at heart.

Ans: - _____

(iii) In spite of having acted in several theatres, Shakespeare is better known as a playwright.

Ans: - _____

(iv) I invited my friends writing letters to them on my birthday.

Ans: - _____

(v) Be sure to complete your work in order to avoid inconvenience later.

Ans: - _____

1. निम्नलिखित गद्यांश को पढ़कर उचित प्रश्नों के उत्तर दीजिए:

आज हिंदी भारत की राजभाषा है। इसे हिमाचल, हरियाणा, उत्तराखंड, उत्तर प्रदेश, राजस्थान, मध्य प्रदेश, छत्तीसगढ़, बिहार, झारखंड और दिल्ली की भी राजभाषा होने का गौरव प्राप्त है। भारत के लगभग 70% लोग इसे बोल सकते हैं। जहां तक समझने की बात है, कश्मीर से कन्याकुमारी तक और अटैक से कटक तक सभी भारतवासी हिंदी में बातसमझ लेते हैं। इस कारण यह है भारत भर की संपर्क भाषा भी है। महात्मा गांधी, तिलक, दयानंद, विवेकानंद जैसे राष्ट्रीय महापुरुषों ने इसे राष्ट्रभाषा की संज्ञा दी। भारतीय संविधान सभा ने 14 सितंबर 1949 को इसे भारत की राजभाषा घोषित किया। इसलिए आज भी 14 सितंबर हिंदी दिवस के रूप में मनाया जाता है।

क. भारत की राजभाषा कौन सी है?

- (i) अंग्रेजी (ii) संस्कृत (iii) हिंदी (iv) उर्दू

ख. भारत की कितनी प्रतिशत जनता हिंदी बोलती है?

- (i) 60% (ii) 70% (iii) 80% (iv) 90%

ग. भारतीय संविधान ने हिंदी को राजभाषा कब घोषित किया?

- (i) 14 नवंबर 1949 (iii) 15 अगस्त 1947
(ii) 14 सितंबर 1949 (iv) 26 जनवरी 1950

घ. 14 सितंबर को कौन सा दिवस मनाया जाता है?

- (i) मात्री दिवस (iii) अध्यापक दिवस
(ii) योग दिवस (iv) हिंदी दिवस

च. किन महापुरुषों ने हिंदी को राष्ट्रभाषा की संज्ञा दी?

- (i) महात्मा गांधी, तिलक (iii) दोनों
(ii) दयानंद, विवेकानंद (iv) कोई नहीं

2. नीचे दिए गद्यांश को पढ़कर प्रश्नों के उत्तर दीजिए:

एक बार रेलवे स्टेशन पर टिकट लेते हुए गलती से मैंने दस की बजाय सौ रुपए का नोट दे दिया और मैं जल्दी-जल्दी रेलगाड़ी में आकर बैठ गया। रेलगाड़ी चलने ही वाली थी कि तभी टिकट बाबू द्वितीय श्रेणी के डिब्बे में प्रत्येक व्यक्तिका चेहरा पहचानता हुआ उपस्थित हुआ। उसने मुझे पहचान लिया और बड़ी विनम्रता से मेरे हाथ पर नब्बे रुपए रख दिए और बोला बहुत बड़ी गलती हो गई। आपने भी नहीं देखा, मैंने भी नहीं देखा। रुपए लौट आते समय उसके चेहरे पर विचित्र संतोष की गरिमा थी जिसे देखकर मैं चकित रह गया। कैसे कहीं की दुनिया से सच्चाई और इमानदारी लुप्त हो गई?

क. लेखक कौन सी श्रेणी के डिब्बे में सफर कर रहे थे?

- (i) द्वितीय (ii) लोकल (iii) महिलाएं (iv) वातानुकूलित

ख. टिकट बाबू ने कितने रुपए लौटाए?

- (i) दस (ii) पचास (iii) नब्बे (iv) चालिस

ग. लेखक ने गलती से कितने रुपए दिए?

- (i) 10 (ii) 50 (iii) 100 (iv) 20

घ. टिकट बाबू के चेहरे पर कैसी गरिमा थी?

- (i) विचित्र (iii) परेशानी की
(ii) विचित्र संतोष की (iv) उदासी की

च. लेखक ने क्या लुप्त नहीं होने की बात कही?

- (i) ईमानदारी (ii) सच्चाई (iii) दोनों (iv) बेईमानी

3. भाषा के दो रूप कौन-कौन से हैं?

- (i) मौखिक (ii) लिखित (iii) दोनों (iv) पठित
4. लेखन चिन्हों को किसके द्वारा प्रकट किया जाता है?
- (i) भाषा के द्वारा (ii) लिपि के द्वारा (iii) हिंदी के द्वारा (iv) ध्वनि के द्वारा
5. पंजाबी भाषा की लिपि कौन सी है?
- (i) देवनागरी (ii) फारसी (iii) गुरुमुखी (iv) रोमन
6. असम की राजभाषा कौन सी है?
- (i) हिंदी (ii) मलयालम (iii) संस्कृत (iv) असमिया
7. अनुस्वार युक्त शब्द कौन सा है?
- (i) चंचल (ii) अंक (iii) डंक (iv) सभी
8. अयोगवाह ध्वनि कितनी होती हैं?
- (i) 4 (ii) 2 (iii) 5 (iv) 3
9. संयुक्त व्यंजन कितने व्यंजनों से मिलकर बनते हैं?
- (i) 3 (ii) 2 (iii) 1 (iv) 4
10. वर्णों के समूह को क्या कहते हैं?
- (i) ध्वनि (ii) वर्णमा (iii) वर्ण
(ii) समास ला
11. नाक से बोले जाने वाले वर्ण क्या कहलाते हैं?
- (i) मूर्धन्य (ii) तालव्य (iii) दंत (iv) नासिक्य
12. वर्णों के मेल से हुए विकार को क्या कहते हैं?
- (i) संधि (ii) समाज (iii) शब्द (iv) पद
13. संधि के भेद कौन से हैं?
- (i) स्वर संधि (ii) सभी (iii) व्यंजन संधि (iv) विसर्ग संधि
14. विद्यार्थी का संधि विच्छेद होगा?
- (i) विद्या + अर्थ (ii) विद्या + अर्थ (iii) वी + द्यार्थी (iv) विद्यार्थी
15. नर-इंद्र की संधि होगी?
- (i) नरेंद्र (ii) नरिंदर (iii) नर इंद्र (iv) नरेंदर
16. एकैक किस संधि का उदाहरण है?
- (i) गुण संधि (ii) दीर्घ संधि (iii) वृद्धि संधि (iv) यण संधि
17. वर्णों के सार्थक समूह को क्या कहते हैं?
- (i) अर्थ (ii) तत्सम (iii) शब्द (iv) पद
18. “वर्षा, नयन” यह शब्द के शब्द के किस भेद के अनुसार हैं?
- (i) तत्सम (ii) तद्भव (iii) देशज (iv) विदेशज

19. आकाश के पर्यायवाची है?

(i) आसमान

(ii) गगन

(iii) नभ

(iv) सभी

20. अनाथ का विलोम शब्द है?

(i) सनत

(ii) सनाथ

(iii) लावारिस

(iv) नाथ

Note: - क्रियात्मक व चार्ट पर बनाई जाने वाली गतिविधियां।

22. संधि तथा उसके भेदों को चार्ट के ऊपर वृक्ष के द्वारा प्रदर्शित प्रदर्शित करें।

23. स्वयं द्वारा निर्मित एक कहानी या कविता लिखें।

24. आधुनिक शिक्षा पद्धति पर 10 पंक्तियां लिखें।

MATHEMATICS

Objective Questions

1. 196 is the square of
(a) 11 (b) 12 (c) 14 (d) 16
2. Which of the following is a square of an even number?
(a) 144 (b) 169 (c) 441 (d) 625
3. A number ending in 9 will have the units place of its square as
(a) 3 (b) 9 (c) 1 (d) 6
4. Which of the following will have 4 at the units place?
(a) 142 (b) 622 (c) 272 (d) 352
5. The one's digit of the cube of 23 is
(a) 6 (b) 7 (c) 3 (d) 9
6. A square board has an area of 144 square units. How long is each side of the board?
(a) 11 units (b) 12 units (c) 13 units (d) 14 units
7. If one member of a Pythagorean triplet is $2m$, then the other two members are
(a) m, m^2+1 (b) m^2+1, m^2-1 (c) m^2, m^2-1 (d) $m^2, m+1$
8. The sum of successive odd numbers 1, 3, 5, 7, 9, 11, 13 and 15 is
(a) 81 (b) 64 (c) 49 (d) 36
9. Which of the following is not true?
(a) Rational numbers are closed under addition.
(b) Rational numbers are closed under subtraction.
(c) Rational numbers are closed under multiplication.
(d) Rational numbers are closed under division.
10. Between two given rational numbers, we can find
(a) One and only one rational number.
(b) Only two rational numbers.
(c) Only ten rational numbers.
(d) Infinitely many rational numbers.
11. Zero is
(a) The identity for addition of rational numbers.
(b) The identity for subtraction of rational numbers.
(c) The identity for multiplication of rational numbers.
(d) The identity for division of rational numbers.
12. One (1) is
(a) The identity for addition of rational numbers.
(b) The identity for subtraction of rational numbers.
(c) The identity for multiplication of rational numbers.
(d) The identity for division of rational numbers.
13. If x be any rational number then $x + 0$ is equal to

- | | | | |
|---------|-------|----------|-----------------|
| (a) x | (b) 0 | (c) $-x$ | (d) Not defined |
|---------|-------|----------|-----------------|
14. The reciprocal of 1 is
- | | | | |
|-------|----------|-------|-----------------|
| (a) 1 | (b) -1 | (c) 0 | (d) Not defined |
|-------|----------|-------|-----------------|
15. The reciprocal of -1 is
- | | | | |
|-------|----------|-------|-----------------|
| (a) 1 | (b) -1 | (c) 0 | (d) Not defined |
|-------|----------|-------|-----------------|
16. The reciprocal of 0 is
- | | | | |
|-------|----------|-------|-----------------|
| (a) 1 | (b) -1 | (c) 0 | (d) Not defined |
|-------|----------|-------|-----------------|

Fill in the blanks to make the statements true.

- There are _____ perfect squares between 1 and 100.
- The square of 500 will have _____ zeroes.
- The unit digit in the square of 1294 is _____.
- There are _____ natural numbers between n^2 and $(n + 1)^2$.
- The square root of 24025 will have _____ digits.
- The square of 5.5 is _____.
- The square root of 5.3×5.3 is _____.
- The least Number by which 125 be multiplied to make it a perfect square is _____.
- The least number by which 360 be divide to make it a perfect square is _____.
- The sum of first six odd natural numbers is _____.

State whether the statements are true (T) or false (F).

- The negative of any rational number is the number itself. _____
- The negative of 0 does not exist. _____
- The negative of 1 is 1 itself. _____
- For all rational numbers x and y , $x - y = y - x$. _____
- For all rational numbers x and y , $x \times y = y \times x$. _____
- If x and y are negative rational numbers, then so is $x + y$. _____
- Between any two rational numbers there are exactly ten rational numbers. _____
- Rational numbers are closed under addition and multiplication but not under subtraction. _____
- Subtraction of rational number is commutative. _____
- 0 is a rational number. _____

Science

1. Draw and label the following: -

- Plant Cell
- Animal Cell
- Cell organelles
- Paramecium
- Nerve Cell

2. Art integrated project- make VACCINATION CARD OF BABY (use color pencils or sketch pens for all contents, use Chart paper make it A4 size)

Draw poster on Front ----Importance of vaccination

On other side of paper-

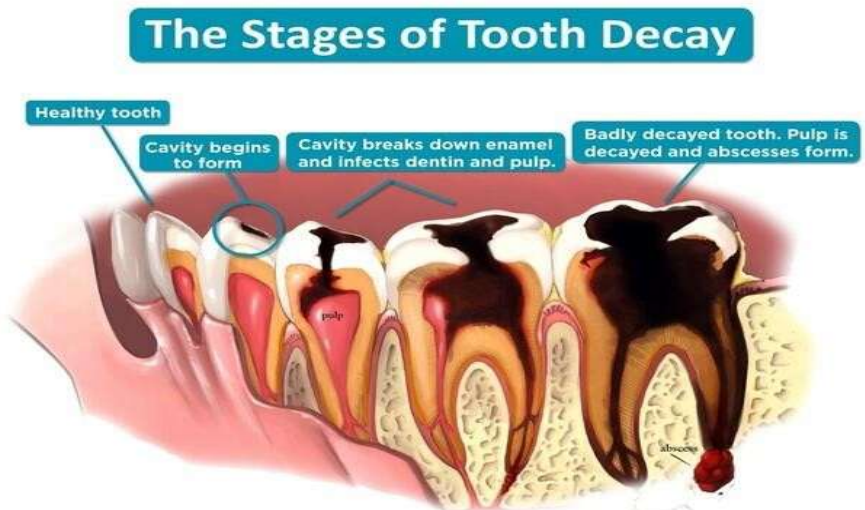
- Write- name of baby, date of birth
- Make Baby's Vaccination schedule as shown in below table.
- Below the table write full form of all vaccines. Like- BCG- Bacille Calmette-Guerin.

	Birth	06 weeks	10 weeks	14 weeks	06 months	09 months	09-12 months	12 months
BCG	✓							
Hep B	✓	✓			✓			
OPV	✓				✓	✓		
DTP		✓	✓	✓				
IPV		✓	✓	✓				
HIB		✓	✓	✓				
Rota V		✓	✓	✓				
PCV		✓	✓	✓				
MMR						✓		
Typhoid							✓	
Hep A								✓

CASE BASED QUESTIONS

3. Read the following comprehension passage and answer the questions:

The tooth is covered by white hard outer covering of tooth called enamel. Enamel is similar to bone which protects the pulp cavity having nerves and blood vessels. Bacteria are gum present in our mouth but they are not harmful to us. However, if we do not clean our teeth and mouth after eating, many harmful



bacteria also begin to live and grow in it. These bacteria breakdown the sugars present from the leftover food and release acids. The acids gradually damage the tooth. The process can be prevented by adapting following measures: (i) One should rinse and clean its teeth thoroughly after every meal. (ii) We should clean our teeth with the help of datun or brush twice a day. (iii) We should use dental floss to remove food particles. Plaque is the deposit on the teeth which helps in the storage of any unwanted substance. It increases storage of acidic substance also. It has been observed that starchy or sugary food items which cling to teeth for a long time are more likely to cause decay.

1. The main component of enamel is:

- | | |
|---------------------------|-------------------------|
| (i) Calcium phosphate | (ii) Calcium sulphate |
| (iii) Magnesium phosphate | (iv) Magnesium sulphate |

2. Choose the correct name for the process which can be given similar to Process mentioned in paragraph:

- | | |
|-------------------------|---------------------|
| (i) Acid rain | (ii) Soil erosion |
| (iii) Digestion of food | (iv) Photosynthesis |

3. Which food eaten before sleep is going to cause more tooth decay. Write reason.

- | | | | |
|------------|--------------|-----------------|-----------|
| (i) Carrot | (ii) Pulse 3 | (iii) Vegetable | (iv) Milk |
|------------|--------------|-----------------|-----------|

4. What is the role of plaque in tooth decay?

Ans: - _____

4. Read the following comprehension passage and answer the questions:

Peptic ulcer disease: Bhujjo, who usually skips his meals one morning went to doctor after dozing one another night of disrupted sleep. He has been suffering from “stomach aches” (dyspepsia) that wake him up at night and nag him in between meals during the day. He describes his pain as gnawing, burning (may be a 4 out of 10 on a pain scale) and points to the epigastric region of his abdomen. When he eats he tells doctor, the pain goes away, but then he feels bloated and a little nauseated. The pain usually returns 2-4 hours later depending on what he eats. Bhujjo explains that he has had some pain relief from the over the counter drug Pepcid (antacid). After complete diagnosis doctor said that he is suffering from peptic ulcers. And suggested him to change his food habits along with medication.

1) What can be the possible cause of Bhujjo’s stomach ache?

Ans: - _____

2) Why is Pepcid used to treat dyspepsia?

Ans: -

3) What type of food should Bhujjo take?

- | | |
|--------------------------------|------------------------|
| a) green and leafy vegetables. | b) sprouts and fruits. |
| c) deep fried and spicy foods. | d) fat rich food. |

Choose the correct option; -

- | | | | |
|--------------|------------|--------------|-------------------|
| i) a,b and c | ii) only d | iii) a and b | iv) all of these. |
|--------------|------------|--------------|-------------------|

4) In which part of his alimentary canal was Bhujjo having the problem?

- | | | | |
|------------------|---------------------|----------------------|-------------|
| i) Buccal cavity | ii) Small intestine | iii) Large intestine | iv) stomach |
|------------------|---------------------|----------------------|-------------|

Social Science

A. History

1. On the outline map of India, mark and label the following:

- Two Portuguese colonies in western India.
- Two French colonies in southern India.
- Two English colonies in eastern India.
- The region ruled by Tipu Sultan.
- The region where permanent settlement was introduced.

B. Geography

- Make an assignment of different types of soil. [on A4 size sheet]
- Use waste material and prepare a model of Rainwater Harvesting.
- On the basis of reading chapter 2 of Geography „Land and Soil Resources“. Make at least 15 very short questions covering the whole chapter and solve them in the A4 size pages.

C. Civics

6. Collect information about the following on the basis of newly elected government of India.

- a. Speaker of the Lok Sabha
- b. Chairman of the Rajya Sabha
- c. Leader of the ruling party
- d. Leader of the opposition party
- e. Member in the cabinet of the PM Constituency
- f. Governor of your state

Worksheet-1

1. In which year did East India company get the royal charter from Kingship of England and who was the ruler of England at that time?
2. Who was the 1st explorer from Portugal?
3. What was the reason behind the battles between the European trading companies?
4. Where was the first factory of British East India Company established and in which year?
5. What is the factory according to the colonial time period in India?
6. Who became the first governor of British India?
7. What did James Mills think about all Asian societies?
8. How have historians divided Indian history?
9. When the National Archives of India came up?
10. How did paintings project Governor-Generals?

Worksheet-2

1. True/ False:
 - a. Natural gas is a non-renewable resource.
 - b. High speed winds were a potential resource two hundred years ago.
 - c. Coal, petroleum and natural gas are some examples renewable resources.
 - d. All resources have same value.
 - e. All natural sources of energy are renewable.
2. What is a planet?

3. What is utility?
4. How much time it takes to make just one centimetre of soil?
5. What are the major factors of soil formation?
6. What is weathering?
7. Why earth is called water planet?
8. What is the most precious substance on earth?
9. Which settlement was introduced during 1793?
10. Who devised the system of Mahal Wari system?

Sanskrit

1. किन्ही दो श्लोकों का हिंदी में अनुवाद कीजिए।
2. एक से 100 तक गिनती संस्कृत में लिखें।
3. कोई भी एक कहानी या कविता संस्कृत में लिखें।
4. चल धातु लिखकर याद करें।
5. शरीर के अंगों के नाम संस्कृत में खोज कर लिखें।
6. कोई भी गीता के दो श्लोक लिखें।

Computers

1. The left most digit is also known as _____ .
2. Hexadecimal number 'C' represents the number _____ in binary.
3. Every octal digit represents a group of _____ bits.
4. Hexadecimal number 13 represents _____.
5. Base of the number system is also known as _____ .
6. Convert number $(1025)_{10}$ into binary, octal and hexadecimal.

7. Find the hexadecimal equivalent of $(420)_{10}$.

8. Covert the following binary numbers to decimal

(a) 1010 (b) 111000 (c) 10101111 (d) 10110
9. Convert the following Decimal numbers to binary.

(a) 23 (b) 100 (c) 161 (d) 145

Convert the given Decimal number to its Binary equivalent.

1) $35_{(10)} = \underline{\hspace{2cm}}_{(2)}$

2) $51_{(10)} = \underline{\hspace{2cm}}_{(2)}$

3) $63_{(10)} = \underline{\hspace{2cm}}_{(2)}$

4) $59_{(10)} = \underline{\hspace{2cm}}_{(2)}$

5) $58_{(10)} = \underline{\hspace{2cm}}_{(2)}$

6) $41_{(10)} = \underline{\hspace{2cm}}_{(2)}$

7) $40_{(10)} = \underline{\hspace{2cm}}_{(2)}$

8) $53_{(10)} = \underline{\hspace{2cm}}_{(2)}$

Convert the given Binary to its Decimal equivalent.

9) $111001_{(2)} = \underline{\hspace{2cm}}_{(10)}$

10) $100110_{(2)} = \underline{\hspace{2cm}}_{(10)}$

11) $101011_{(2)} = \underline{\hspace{2cm}}_{(10)}$

12) $101010_{(2)} = \underline{\hspace{2cm}}_{(10)}$

13) $100101_{(2)} = \underline{\hspace{2cm}}_{(10)}$

14) $100111_{(2)} = \underline{\hspace{2cm}}_{(10)}$

15) $110010_{(2)} = \underline{\hspace{2cm}}_{(10)}$

16) $101101_{(2)} = \underline{\hspace{2cm}}_{(10)}$

Add or Subtract the given Binary numbers.

$$\begin{array}{r} 1) \quad 11010 \\ + 10101 \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 10111 \\ - 10101 \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 10111 \\ + 11011 \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad 11011 \\ + 11110 \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad 11110 \\ + 10100 \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad 10100 \\ - 10000 \\ \hline \end{array}$$

$$\begin{array}{r} 7) \quad 10000 \\ - 01010 \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad 01010 \\ + 11001 \\ \hline \end{array}$$

$$\begin{array}{r} 9) \quad 11001 \\ + 11101 \\ \hline \end{array}$$

$$\begin{array}{r} 10) \quad 11101 \\ + 01111 \\ \hline \end{array}$$

$$\begin{array}{r} 11) \quad 10001 \\ - 01111 \\ \hline \end{array}$$

$$\begin{array}{r} 12) \quad 11000 \\ - 10001 \\ \hline \end{array}$$

$$\begin{array}{r} 13) \quad 11000 \\ + 10110 \\ \hline \end{array}$$

$$\begin{array}{r} 14) \quad 11111 \\ - 10110 \\ \hline \end{array}$$

$$\begin{array}{r} 15) \quad 11111 \\ + 10010 \\ \hline \end{array}$$

$$\begin{array}{r} 16) \quad 10010 \\ + 01000 \\ \hline \end{array}$$