

Students must avoid the following Mistakes/Errors while solving Holiday H.W Assignment

1. Common general errors committed by students while doing Holiday H.W Assignments

- **General Errors Committed in all subjects**
 - **Ignoring Instructions:**
 - Many students overlook or misinterpret the instructions provided at the beginning of the question paper. It's crucial to read them carefully to understand the paper's format, marking scheme, and any specific guidelines.
 - **Illegible Handwriting:**
 - Poor handwriting can affect the examiner's understanding of your answers. Write neatly and use legible diagrams to convey your points effectively.
 - **Not Reviewing Answers:**
 - Rushing to finish may lead to errors or omissions. Always spare a few minutes at the end to review and correct your answers.
 - **Not Seeking Clarification:**
 - If you're unsure about a question's intent or requirements, don't hesitate to seek clarification from the invigilator or teacher.
 - **Skipping Questions:**
 - Some students leave difficult questions unanswered. Even if you're unsure, attempt all questions, as you might earn partial marks for correct steps or explanations.
 - **Time Management:**
 - Poor time management can lead to incomplete papers. Allocate time for each section based on the marks assigned and stick to the schedule.
- **Errors committed in Mathematics subject**
 - **Incorrect Units:**
 - Ensure that you use the correct units in your numerical answers, especially in subjects like Mathematics and Science.
 - **Misinterpreting Questions:**
 - Misunderstanding the questions can lead to incorrect responses. Read each question carefully, paying attention to keywords and requirements.
- **Errors committed in Science subject**
 - **Ignoring Diagrams:**
 - diagrams should be well-drawn and appropriately labeled. Neglecting them can lead to marks deduction.
 - **Not Labeling Diagrams:**
 - In subjects like Science, labeling diagrams is crucial. Failing to label the parts of diagrams can result in loss of marks.
- **Errors committed in English subject**
 - **Not using Proper Formatting:**
 - Correct formatting of essays, letters, and reports is vital. Failing to follow the correct format can lead to point deductions.
 - **Not Following Word Limits:**
 - If a question specifies a word limit, adhere to it. Writing too much or too little can affect your score.
 - **Not Planning Answers:**
 - In subjects with long-form answers, outlining your response before writing can help you structure your thoughts and present them coherently.
 - **Making grammatical mistakes**
 - Subject-Verb Agreement: Incorrectly matching singular subjects with plural verbs and vice versa.
 - Mixing up tenses within sentences or paragraphs.
 - Incorrectly capitalizing or failing to capitalize proper nouns and sentence beginnings.
- **Errors committed in Social Science subject**
 - **Ignoring Diagrams and Graphs:**
 - diagrams and graphs should be well-drawn and appropriately labeled. Neglecting them can lead to marks deduction.

- **Errors committed in Computer Science subject**
 - **General errors while attempting Application skill based Questions**
 - Not Using Correct indentation
 - Committing syntax errors that leads to incorrect output of a programme
 - Committing logical errors – Improper use of Statements- Conditional statements- Looping.
 - **Misinterpreting Questions:**
 - Misunderstanding the questions can lead to incorrect responses. Read each question carefully, paying attention to keywords and requirements.
 - **Not Labeling Flow charts/Algorithms/Psudocodes:**
 - labeling Flow charts/Algorithms/Psudocodes. Failing to label the parts of these can result in loss of marks.



Summer Holidays Homework

SESSION: 2024-25

CLASS – 8th

Subject: English

Text Book: 21st Century English

Grammar : Burlington English Grammar: An Eclectic Approach

1. Syllabus Covered upto MAY END

Reader: 21st Century English

- Chapter No.-1 Chapter Name-Backstage at Baking Big!
- Chapter No.-2 Chapter Name- My Elder Brother

Grammar: Burlington English Grammar: An Eclectic Approach

- Ch-16 Countable and Uncountable Nouns, Articles and Quantifiers
- Ch-1 Present Tense :Active and Passive
- Ch-2 Past Tense :Active and Passive
- Ch-3 The Future :Active and Passive

2. List of all new concepts taught upto MAY END (Grammar Topics)

- Countable and Uncountable Nouns
- Articles and Quantifiers
- Tenses
- Voices
- Parts of Speech

3. Summer Holiday Homework:

○ Reading & Speaking Homework:

- **Section-A:** Reading Homework
- **Section-B:** Speaking Homework
- **Section-C:** Pre-Reading Homework

○ Written Homework:

- **Section-D:** Chapter-wise Revision Assignment
- **Section-E:** Grammar Revision Assignment
- **Section-F:** Project Work

4. Tools required for doing Homework:

- Text Book- 21st Century English (Burlington)
- Grammar Book- Burlington English Grammar
- A4 sheets.
- Resources as per activity

5. Instruction/Guidelines for Reading & Speaking Homework:

○ Section-A: Reading Homework

- Each student will read one fiction Book - Pride and Prejudice Jane Austen., The Adventurous of Huckleberry finn by Mark Twain ,Anne Frank, My Family & Other Animals by Gerald Durrell and Harry Potter by J.K. Rowling& one non-fiction book - Wings of Fire by APJ Abdul Kalam, Something Happened on The Way to Heaven: 20 Inspiring Real-Life Stories, Discovery of India by J.L.Nehru and The Autobiography of Abraham Lincoln and write a book review by using the following steps:-

- ✓ Draw creative page as front page
- ✓ Identify and list the Main characters in the Book
- ✓ Write the summary of the story as follows :—
 - ❖ Beginning
 - ❖ Middle
 - ❖ End
- ✓ Write a paragraph on “If you were the author how will you end the story?”(on A4 sheet)

○ Section-B: Speaking Homework

- Students will practice on one of the given topics as an extempore activity :-
 - Incredible India
 - OR
 - Cons and Pros of Social Media
 - OR
 - Women Empowerment

Students will prepare video for speaking activity on any one of the above topics and share their video with English teachers on WhatsApp PS group. Video should be of 1 minute.

○ **Section – C: Pre-Reading Homework**

- Do the Pre-Reading of Chapter No. 3- A Real Life Mowgli and Chapter – 4 Meeting Mozart.
- Write difficult words and their meaning in English notebook.

6. Instruction/Guidelines for Written Homework:

- **Section – D:** Do the given Chapter-wise Assignments on A4 sheets.
- **Section – E:** Do the given Grammar Assignment on A4 sheets.
- **Section – F:**

Project work-

Parts of Speech: (Prepare on A4 sheet)

- Topic: Roll no 1 to 8 (**Parts of Speech** – Nouns & Pronouns ,their types and sub types)
- Topic: Roll no 9 to 16 (**Parts of Speech** – Verbs & Adverbs ,their types and sub types)
- Topic: Roll no 17 to 24 (**Parts of Speech** – Adjectives & Prepositions, their types and sub types)
- Topic: Roll no 25 to 38(**Parts of Speech** – Conjunctions & Interjections ,their types and sub types)
- **Prepare a student portfolio and include the following details :-**
 - Personal details
 - What I understand by portfolio
 - My goals/ Aim in life for future
 - My achievements till now
 - The areas I need to work to achieve my goal

7. Marking scheme for English homework: –

- **Section-A Reading HW**
 - Book Review **2 marks**
- **Section-B Speaking Homework**
 - Video shared by students on Whatsapp **4 marks**
- **Section-C Pre reading homework**
 - Difficult words & their meanings in Notebook **2 marks**
- **Section-D Chapter wise Revision Assignments** **4 marks**
- **Section-E Grammar Revision Assignment** **4 marks**
- **Section-F Project work** **4 marks**

Total marks of English H.W. 20 marks

8. Important Note:

- **All students must submit their vacation Homework of All Subjects for Assessment by teacher on 1st July 2024 by all means. Five marks will be deducted for per day of delay after 1st July 2024.**



R.E.D. Group of Schools

Chapter-wise Revision Assignment-1

Class:8th

Subject: English

Ch.No.: 1

Ch. Name:Backstage at Baking Big

For recapitulation & solving the assignment the students should refer to their 21st Century English text book of English

Part-1 – Vocabulary skills

Q.1. Write the meanings of the following key terms:

- | | | | |
|-----------------|----------------|--------------------|----------------------|
| (i) Backstage | (ii) Delighted | (iii) Eliminate | (iv) Contestant |
| (v) Ingredients | (vi) Delicious | (vii) Beauty shots | (viii) Unpredictable |
| (ix) Audition | (x) Awesome | | |

Q.2. Write the Synonyms of the following words

- (i) Desserts
- (ii) Glamorous

Q.3. Write the Antonyms of the following words

- (i) Leading
- (ii) Honestly

Q.4. Write the Homonyms of the following words

- (i) See
- (ii) Board

Part-2 – Reading Skills

Q.5. Read the following passage & answer the questions.

I'm in charge of finding 12 contestants out of around 20,000 applications. No easy task! I spend hours on end looking for the right people. The judges claim contestants are chosen for their baking ability, but I'm really looking for people who are different. The main thing is they should have a personality or a story to tell. Leading candidates get a telephone interview and an audition, where they have to bake a cake on camera to see if they can talk and bake at the same time.

Answer the following Questions from the passage:-

- (A) Who is talking in the above lines? What is his job?
- (B) What special quality of a person selects her/him for the show?
- (C) What happens with the leading candidates?

Part-3 –Application skills of Subject Tools & Concepts

Q.6. Answer the following Short Answer Type Questions

1. How is a reality show defined?
2. How are the successful ones chosen?
3. Why is the role of a judge on reality show different?

Q.7. Answer the following Long Answer Type Questions

1. How does the cameraman describe the editing process in reality TV show?
2. How do the food stylist and home economist make sure the baking on the show goes as planned?
3. According to the passage, why did they choose to make Baking Big! A family-friendly programme without scripted conflicts?

Part-4 – Learning Homework

- **Learning Homework:** Learn Q. Ans. of Ch- 1 along with the exercise From Text Book/Notebook.



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Chapter-wise Revision Assignment-2

Class:8th
Ch.No.: 2

Subject: English
Ch. Name:My Elder Brother

For recapitulation & solving the assignment the students should refer to their 21st Century English text book of English

Part-1 – Vocabulary skills

Q.1. Write the meanings of the following key terms:

- | | | | |
|-----------------|---------------|-------------------|------------------|
| (i) Calligraphy | (ii) Couplet | (iii) Thunderclap | (iv) Traditional |
| (v) Pebbles | (vi) Pleasure | (vii) Courage | (viii) Hurtfully |
| (ix) Scholars | (x) Hooligans | | |

Q.2. Write the Synonyms of the following words

- (iii) Sketches
(iv) Opportunity

Q.3. Write the Antonyms of the following words

- (iii) Ignored
(iv) Scolding

Q.4. Write the Homonyms of the following words

- (iii) Tale
(iv) Storey

Part-2 – Reading Skills

Q.5. Read the following passage & answer the questions.

Listening to his harsh words I would weep. What else could I have done? My elder brother was an expert preacher. He would say the most hurtful things that broke my heart to pieces. I would lose all courage. I could never work as hard as him. In those moments of hopelessness, I thought of giving up on my studies and going home. Why waste my life trying to do something that was beyond me?

Answer the following Questions from the passage:-

- (A) Who is speaking to whom?
(B) Why would the narrator weep?
(C) What does the narrator think after listening to his words?

Part-3 –Application skills of Subject Tools & Concepts

Q.6. Answer the following Short Answer Type Questions

“English is not child’s play. One has to strain one’s eyes day and night, give up all fun and pleasure.”

- (i) Whose words are these?
(ii) What is the speaker suggesting?
He reached out and caught the string.
(i) Who is he? What is he doing?
(ii) How did the narrator feel after this action of his elder brother?

What are the factors on which a well-rounded personality depends?

Q.7. Answer the following Long Answer Type Questions

- (i) Draw a character sketch of the narrator’s elder brother.
(ii) After the elder brother fails the exam, what insight does he share with the younger brother?
(iii) One should practice what one preaches. Do you think the elder brother followed the tenet?

Part-4 – Learning Homework

- **Learning Homework:** Learn Q. Ans. of Ch- 2 along with the exercise From Text Book/Notebook.



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Revision Assignment-3 (Grammar)

Class: 8th

Subject: English Grammar

Part-1 – Word Structure

Section-A – Parts of Speech

Q.1. Define the following parts of speech and give one example.

(a) Pronoun: _____

Example: _____

(b) Verbs: _____

Example: _____

Q.2. Choose the correct option as per the given directions:

A. Which of the following is a demonstrative pronoun?

A) She

B) It

C) His

D) That

B. Identify the possessive pronoun in the sentence: "This book is mine."

A) This

B) Book

C) Is

D) Mine

Q.3. Fill in the blanks with correct parts of speech.

A. She loves to read, so _____ always carries a book with _____.(she/he/him/her)

B. He forgot to bring his umbrella, so _____ got wet in the rain.(he/his)

C. We went to the beach and built a sandcastle by _____.(themselves/ ourselves)

D. They are going to the store to buy groceries for _____.(ourselves/themselves)

Q.4. Change the underlined parts of speech to the following: (Use Personal Pronoun)

A. John went to the store because John needed to buy some groceries.

B. This is Sarah's book.

C. The cat sat on the mat.

D. I saw the dog in Riya's yard.

Part-2 – Sentence Structure

Section-B: Tense Structure

Q.5. Define the following tense and give one example.

(a) Simple Past tense - _____

Example: _____

(b) Past perfect - _____

Example: _____

Q.6. Choose the correct option as per the given directions:

A. They _____ to the beach for vacation.

(I) gone (ii) goes

(iii) went

(iv) going

B. After she _____ finished her homework, she went to bed.

(I) had

(ii) have

(iii) has

(iv) was

d) We will go to the beach tomorrow.

Q.7. Fill in the blanks with the correct tense.

- A. Yesterday, she _____ (visit) her grandmother.
- B. He _____ (finish) his homework before dinner.
- C. They _____ (see) a movie last weekend.
- D. We _____ (travel) to France last summer.
- E. The dog _____ (bark) loudly at the mailman.

Q.8. Identify and correct the error in the following sentences: (Using Present Tense)

A. She writed a letter to her friend every night.

B. He goes to gym in morning.

C. The cat catched a mouse in the garden yesterday.

D. We have gone to the concert last weekend.

E. He eaten lunch an hour ago.

Q.9. Transform the given sentences as instructed:

A. She will bake a cake for the party tomorrow. (active to passive)

B. They are going to plant flowers in the garden next week. (active to passive)

C. The letter will be written by Riya. (passive to active)

D. Sohan will come home on saturday. (passive to active)

Q.10. Translate the given Hindi sentence into English-

A. वह कल बाजार गया।

B. मैंने उसे अपनी किताब दी।

Section-C: Other Grammar topics (From current syllabus)

Q. 11. Choose the correct option as per the given directions:

A. Which of the following sentences correctly uses the present tense of the verb 'to visit'?

- a) She visits her grandmother tomorrow.
- b) They will visiting the museum next week.
- c) He visit his friend next month.
- d) We will visit the park this afternoon.

B. Which of the following sentences contains a verb in the present continuous tense?

- a) They have been waiting for hours.
- b) She is cooking dinner right now.
- c) He walked to school yesterday.
- d) We will visit the museum tomorrow.



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Revision Assignment-5(Grammar)

Class: 8th

Subject: English Grammar

Part-1 – Word Structure

Section-A – Part of Speech

Q.1. Define the following parts of speech and give one example.

(a) Noun - _____

Example: _____

(b) Quantifier - _____

Example: _____

Q.2. Choose the correct option as per the given directions:

A. Which of the following is NOT a noun?

A) Table B) Happiness C) Run D) Quickly

B. Which of the following is a proper noun?

A) chair B) book C) school D) Paris

Q.3. Fill in the blanks with correct parts of speech.

A. Can I have _____ sugar on my strawberries? (some/any)

B. There are only _____ seats left, so we need to hurry. (a few/few)

C. The earth _____ around the sun. (move/moves)

D. She _____ to school yesterday. (go/went)

Q.4. Change the underlined parts of speech to the following:

A. The team are playing well together.

B. A Earth revolves around a sun.

C. The flock of bees buzzed around the hive.

D. I goes to the school daily.

Part-2 – Sentence Structure

Section-B: Tense Structure

Q.5. Define the following tense and give one example.

(a) Simple Future - _____

Example: _____

(b) Future continuous - _____

Example: _____

Q.6. Choose the correct option as per the given directions:

A. Identify the sentence in the Future tense:

i) The students studied for their exams last night.

ii) He will go to the gym tomorrow.

iii) They have completed the project last week.

iv) She dances ballet every Saturday morning.

B. Choose the sentence that correctly uses the Future continuous tense:

i) He writes a letter every week.

ii) They went shopping yesterday.

iii) She is baking a cake for the party tonight.

iv) We will be travelling to the beach next month.

विद्यार्थी निम्नलिखित विषयों पर अभ्यास करके वाचन कौशल की एक मिनट की वीडियो बनाकर अपने हिंदी अध्यापक के पास भेजें :-

- लघु उद्योग का महत्व (अर्थ सहित)
- डिजिटल तकनीक

अनुभाग ग-(पूर्व पठन गृहकार्य)

- विद्यार्थी निम्नलिखित पाठों का पूर्व पठन करें व कठिन शब्दों को उनके अर्थ सहित उत्तरपुस्तिका में लिखें ।
 - अध्याय संख्या 3,4 –सिंधु घाटी की सभ्यता, युगों का दौर

6. लेखन गृहकार्य हेतु दिशा-निर्देश –

- अनुभाग घ – पाठ के अनुसार दिए गए पुनरावृत्ति कार्यपत्र को अपनी A4 Sheet पर पूरा कीजिए।
- अनुभाग ङ – व्याकरण के पुनरावृत्ति कार्यपत्र को अपनी A4 Sheet पर पूरा कीजिए।
- अनुभाग च – परियोजना कार्य
 - समास– समास की परिभाषा, भेद, उपभेद और उदाहरण

7. हिन्दी गृहकार्य के लिए अंकन योजना

- अनुभाग क – पठन गृहकार्य
 - पुस्तक समीक्षा 2 अंक
- अनुभाग ख – वाचन गृहकार्य
 - छात्रों द्वारा Whatsapp पर साझा की गई वीडियो 4 अंक
- अनुभाग ग – पूर्व पठन गृहकार्य
 - अर्थ सहित पाठ के सभी कठिन शब्द 2 अंक
- अनुभाग घ – पाठ के अनुसार पुनरावृत्ति कार्यपत्र 4 अंक
- अनुभाग ङ – व्याकरण पुनरावृत्ति कार्यपत्र 4 अंक
- अनुभाग च – परियोजना कार्य 4 अंक

हिन्दी विषय के गृहकार्य के कुल अंक 20 अंक

8. सभी छात्रों द्वारा अपने सभी विषयों का गृहकार्य अध्यापक द्वारा मूल्यांकन के लिए 1 जुलाई 2024 तक आवश्यक रूप से जमा करवाना होगा। 1 जुलाई 2024 के बाद प्रत्येक दिन की देरी के लिए 5 अंक काटे जाएंगे।



R.E.D. GROUP OF SCHOOLS

Revision Assignment No.-1
Subject – Hindi Class: 8

पाठ संख्या : 1

पाठ का नाम: लाख की चूड़ियाँ

भाग-1 –शब्दावली कौशल

प्र.1. निम्नलिखित शब्दों के अर्थ लिखिए—

(क) अल्प	—	(ख) संतुष्टि	—
(ग) शोक	—	(घ) शीघ्र	—
(ङ) परिणाम	—	(च) वक्त	—
(छ) चाव	—	(ज) खपत	—
(झ) विनिमय	—	(ञ) पैतृक	—

प्र.2. निम्नलिखित शब्दों के पर्यायवाची शब्द लिखिए—

- (i) चाव —
(ii) माँ —

प्र.3. निम्नलिखित शब्दों के विलोम शब्द लिखिए —

- (i) अच्छा —
(ii) बच्चा —

प्र.4. निम्नलिखित शब्दों के श्रुतिसमभिन्नार्थी शब्द लिखिए—

- (i) दिन —
(ii) दीन —

भाग-2 – पठन कौशल

प्र.5. अध्याय से निम्नलिखित गद्यांश को पढ़कर प्रश्नों के उत्तर दें।

सारे गाँव में बदलू मुझे सबसे अच्छा आदमी लगता था क्योंकि वह मुझे सुंदर-सुंदर लाख की गोलियाँ बना कर देता था। मुझे अपने मामा के गाँव जाने का सबसे बड़ा चाव यही था कि जब मैं वहाँ से लौटता था तो मेरे पास ढेर सारी गोलियाँ होती, रंग-बिरंगे गोलियाँ जो किसी भी बच्चे का मन मोह लेती थीं।

गद्यांश से निम्नलिखित प्रश्नों के उत्तर दीजिए—

- (क) लेखक को सबसे अच्छा कौन लगता था?
(ख) लेखक को किस का चाव था?
(ग) कैसी गोलियाँ किसी का मन मोह लेती थीं?

भाग-3 – विषय का अनुप्रयोग कौशल

प्र.6. निम्नलिखित लघु उत्तरीय प्रश्नों के उत्तर दीजिए।

1. बचपन में लेखक अपने मामा के गाँव चाव से क्यों जाता था?
2. बदलू को 'बदलू मामा' न कहकर 'बदलू काका' क्यों कहता था?
3. वस्तु-विनिमय क्या है? विनिमय की प्रचलित पद्धति क्या है?

प्र.7. निम्नलिखित दीर्घ उत्तरीय प्रश्नों के उत्तर दीजिए।

1. वस्तु-विनिमय क्या है?
2. 'मशीनी युग' ने कितने हाथ काट दिए हैं।' इस पंक्ति में लेखक ने किस व्यथा की ओर संकेत किया है?
3. बदलू के मन में ऐसी कौन-सी व्यथा थी, जो लेखक से छिपी न रह सकी?

भाग-4 – याद करने हेतु गृहकार्य

पाठ 1 के प्रश्न-उत्तर. याद करो।



R.E.D. GROUP OF SCHOOLS

Revision Assignment No.-2
Subject – Hindi Class: 8

पाठ संख्या : 2

पाठ का नाम: बस की यात्रा

भाग-1 –शब्दावली कौशल

- प्र.1. निम्नलिखित शब्दों के अर्थ लिखिए—
- | | |
|-----------------|--------------|
| (क) वयोवृद्ध— | (ख) टटोलकर— |
| (ग) अंत्येष्टि— | (घ) नेतृत्व— |
| (ङ) इत्मीनान— | (च) दुर्लभ— |
| (छ) विश्वसनीय— | (ज) सविनय— |
| (झ) बियाबान— | (ञ) गोता— |
- प्र.2. निम्नलिखित शब्दों के पर्यायवाची शब्द लिखिए—
- (क) विश्वास—
(ख) वृद्ध —
- प्र.3. निम्नलिखित शब्दों के विलोम शब्द लिखिए—
- (क) विश्वसनीय —
(ख) दुश्मन —
- प्र.4. निम्नलिखित शब्दों के श्रुतिसमभिन्नार्थी शब्द लिखिए।
- (क) सम्मान —
(ख) सामान —

भाग-2 – पठन कौशल

प्र.5. अध्याय से निम्नलिखित गद्यांश को पढ़कर प्रश्नों के उत्तर दें।

एक पुलिया के ऊपर पहुँचे ही थे कि एक टायर फिस्स करके बैठ गया। वह बहुत जोर से हिलकर थम गई। अगर स्पीड में होती तो उछलकर नाले में गिर जाती। मैंने उस कंपनी के हिस्सेदार की तरफ पहली बार श्रद्धा-भाव से देखा। वह टायरों की हालत जानते हैं फिर भी जान हथेली पर लेकर इसी बस से सफर कर रहे हैं। उत्सर्ग की ऐसी भावना दुर्लभ है। सोचा इस आदमी के साहस और बलिदान की भावना का सही उपयोग नहीं हो रहा है। इसे तो किसी क्रांतिकारी आंदोलन का नेता होना चाहिए। अगर बस नाले में गिर पड़ती और हम सब मर जाते तो देवता बाहें पसारे उसका इंतजार करते। कहते—“वह महान आदमी आ रहा है जिसने टायर के लिए अपने प्राण दे दिए। मर गया, पर टायर नहीं बदला।”

गद्यांश से निम्नलिखित प्रश्नों के उत्तर दीजिए—

- (क) किसके साहस और बलिदान की भावना का सही दुरुपयोग हो रहा था?
(ख) 'हिस्सेदार' में प्रयुक्त प्रत्यय बताइए।
(ग) पुलिया पर बस क्यों रुक गई?

भाग-3—विषय का अनुप्रयोग कौशल

प्र.6. निम्नलिखित लघु उत्तरीय प्रश्नों के उत्तर दीजिए।

- क) लोगों ने शाम वाली बस से सफर नहीं करने की सलाह क्यों दी?
ख) पाठ में कौन-से आंदोलन का वर्णन किया गया है ?
ग) लेखक पेड़ों को अपना दुश्मन क्यों समझ रहा था?

प्र.7. निम्नलिखित दीर्घ उत्तरीय प्रश्नों के उत्तर दीजिए।

- क) बस की तुलना किससे की गई है और क्यों?
ख) लेखक को बस वयोवृद्ध क्यों लगी?
(ग) किसने कंपनी के हिस्सेदार की तरफ पहली बार श्रद्धा भाव से देखा?

भाग-4 – याद करने हेतु गृहकार्य

पाठ 2 के प्रश्न-उत्तर. याद करो।



R.E.D. GROUP OF SCHOOLS

Revision Assignment No.- 3

Subject – Hindi Class: 8

पाठ संख्या : 3

पाठ का नाम: दीवानों की हस्ती

भाग-1 –शब्दावली कौशल

प्र.1. निम्नलिखित शब्दों के अर्थ लिखिए—

i.	निसानी	—	vi.	भिखमंगों	—
ii	बंधन	—	vii	असफलता	—
ii.	छककर	—	viii	हस्ती	—
iv.	उर	—	ix.	आलम	—
v.	स्वच्छंद	—	x.	स्वयं	—

प्र.2. निम्नलिखित शब्दों के पर्यायवाची शब्द लिखिए—

- (i) आँसू—
(ii) निशान —

प्र.3. निम्नलिखित शब्दों के विलोम शब्द लिखिए

- (i) बंधन—
(ii) सुख —

प्र.4. निम्नलिखित शब्दों के श्रुतिसमभिन्नार्थी शब्द लिखिए

- (i) प्रधान —
(ii) प्रदान —

भाग-2 – पठन कौशल

प्र.5. अध्याय से निम्नलिखित पद्यांश को पढ़कर प्रश्नों के उत्तर दें।

आए बनकर उल्लास अभी,
आँसू बनकर बह चले अभी,
सब कहते ही रह गए, अरे,
तुम कैसे आए, कहाँ चले?
किस ओर चले? यह मत पूछो,
चलना है, बस इसलिए चले
जग से उसका कुछ लिए चले,
जग को अपना कुछ दिए चले,

गद्यांश से निम्नलिखित प्रश्नों के उत्तर दीजिए—

- (क) दीवानों के साथ किस का आलम चलता है?
(ख) दीवानें क्या उड़ाते चलते हैं?
(ग) दीवानों की हस्ती' कविता के कवि कौन है?

भाग-3—विषय का अनुप्रयोग कौशल

प्र.6. निम्नलिखित लघु उत्तरीय प्रश्नों के उत्तर दीजिए।

- क) कविता का मूल उद्देश्य क्या है ?
ख) दीवानें क्या और क्यों बनकर आते हैं?
ग) दीवानें क्या बन कर बह जाते हैं?

प्र.7. निम्नलिखित दीर्घ उत्तरीय प्रश्नों के उत्तर दीजिए।

- क) कवि ने अपने आने को 'उल्लास' और जाने को 'आँसू बनकर बह जाना' क्यों कहा है ?
- ख) भिखमंगों की दुनिया में बेरोक प्यार लुटाने वाला कवि ऐसा क्यों कहता है कि वह अपने हृदय पर असफलता का एक निशान भार की तरह लेकर जा रहा है? क्या वह निराश है या प्रसन्न है?
- ग) जीवन में मस्ती होनी चाहिए, लेकिन कब मस्ती हानिकारक हो सकती है ?

भाग-4 – याद करने हेतु गृहकार्य

पाठ 3 के प्रश्न-उत्तर. याद करो।



R.E.D. GROUP OF SCHOOLS

Grammar Revision Assignment No.-4

Subject – Hindi Class: 8

भाग-1 शब्द संरचना

अनुभाग-अ – विकारी और अविकारी

प्र.1. निम्नलिखित विकारी और अविकारी के भेदों को परिभाषित करें और एक उदाहरण दें।

(क) क्रियाविशेषण की परिभाषा उदाहरण सहित लिखिए।

उत्तर—

(ख) विस्मयादिबोधक की परिभाषा उदाहरण सहित लिखिए।

उत्तर—

प्र.2. दिए गए निर्देशों के अनुसार सही विकल्प चुनें—

रेखांकित पद में क्रियाविशेषण का भेद बताइए—

(i) वह अभी-अभी आया है।

(क) कालवाचक क्रियाविशेषण (ख) रीतिवाचक क्रियाविशेषण

(ग) स्थानवाचक क्रियाविशेषण (घ) परिमाणवाचक क्रियाविशेषण

(ii) वह भीतर बैठी है।

(क) कालवाचक क्रियाविशेषण (ख) स्थानवाचक क्रियाविशेषण

(ग) रीतिवाचक क्रियाविशेषण (घ) परिमाणवाचक क्रियाविशेषण

प्र.3. विकारी या अविकारी के सही भेदों से रिक्त स्थान भरें।

(क) राम —————जाएगा।

(ख)चहचहा रहे थे।

(ग)तेज चलता है।

प्र.4. रेखांकित विकारी या अविकारी को पहचान कर नाम लिखिए—

(क) वह शाम को घर जाता है।

(ख) सुनीता अच्छी लड़की है।

(ग) हम सैर करने जाते हैं।

भाग-2 वाक्य संरचना

अनुभाग- ब (काल संरचना)

प्र.5. निम्नलिखित काल को परिभाषित करें और एक उदाहरण दें।

(क) सामान्य वर्तमान काल की परिभाषा उदाहरण सहित लिखिए।

उत्तर

(ख) सामान्य भविष्यकाल की परिभाषा उदाहरण सहित लिखिए।

उत्तर

प्र.6. दिए गए निर्देशों के अनुसार सही विकल्प चुनें:

- 1 'स्वर्ग' का विलोम बताइए—
(क) नरक (ख) अच्छा (ग) मृत्यु (घ) सुखद
- 2 'दूध' शब्द का पर्यायवाची है—
(क) अमिय (ख) दुग्ध (ग) तरु (घ) सेम
- 3 'माँ' शब्द का पर्यायवाची है—
(क) अम्मा (ख) जननी (ग) मैया (घ) सभी
- 4 'असफल' शब्द में किस उपसर्ग का प्रयोग हुआ है?
(क) अ (ख) आ (ग) अस (घ) सभी

प्र.7. निर्देशानुसार काल परिवर्तन कीजिए—

- (क) वर्तमानकाल को भूतकाल में परिवर्तित कीजिए।
राधा खाना पका रही है।

उत्तर—

- (ख) वर्तमानकाल को भविष्यकाल में परिवर्तित कीजिए।
सोहन कपड धो रहा है।

उत्तर—

- (ग) भूतकाल को वर्तमानकाल में परिवर्तित कीजिए।
सपना पढ़ रही थी।

उत्तर—

प्र.8. निम्नलिखित वाक्यों में सही वाक्य की पहचान कीजिए।

- (क) क्या सुनीता खाना खा रही है? (ख) सुनीता खाना खाया क्या?
(ग) सुनीता ने क्या खाना खाया है। (घ) खाना खा लिया सुनीता ने?

प्र.9 निर्देशानुसार वाक्य परिवर्तन कीजिए

बच्चें खेल रहे हैं। (प्रश्नवाचक वाक्य)

उत्तर—

सुमित क्रिकेट खेलता है। (निषेधवाचक वाक्य)

उत्तर—

अमीता लकड़ी ला रही है। (आज्ञावाचक वाक्य)

उत्तर—

प्र.10 निम्नलिखित शब्दों को क्रम में लगाकर वाक्य बनाइए।

राधा /से/बाजार / मोटरसाइकिल/खरीदी /ने

अनुभाग—स अन्य व्याकरण विषय (वर्तमान पाठ्यक्रम से)

प्र.11. दिए गए निर्देशों के अनुसार सही विकल्प चुनें

- (i) अर्थ के आधार पर शब्द के कितने भेद हैं?
क) दो (ख) तीन (ग) चार (घ) सात
- (ii) जिन शब्दों में लिंग, वचन, कारक के अनुसार कोई परिवर्तन नहीं होता, उसे क्या कहते हैं?
क) विकारी (ख) अविकारी (ग) यौगिक (घ) इनमें से कोई नहीं
- (iii) **रूढ़ शब्द** छाँटिए।
क) विद्यालय (ख) नमक (ग) हवामहल (घ) रंगीला

- (iv) दो या दो से अधिक शब्दों के मेल से बनने वाले शब्द क्या कहलाते हैं?
क) योगरूढ़ ख) रूढ़ ग) यौगिक घ) इनमें से कोई नहीं

प्र.12. निम्नलिखित वाक्यों में त्रुटि पहचानें और सुधारें—
हम कल दिल्ली जाऊँगा।

उत्तर—

भाग—3 —रचनात्मक लेखन कौशल
अनुभाग—स

प्र.13. निम्नलिखित में से कोई एक करे।

माँ और बेटे के बीच वार्षिक परीक्षा को लेकर संवाद लिखो।
अथवा

‘एकता में बल’ विषय पर कहानी लिखो।

प्र.14. निम्नलिखित में से कोई एक करे।

नई पुस्तक खरीदने के लिए पिता जी से पैसे मँगवाने के लिए पत्र लिखो।
अथवा

‘गाँव से शहर की और पलायन’ विषय पर अनुच्छेद लिखो।



Summer Holidays Homework

Session: 2024-25

CLASS – 8th

Subject: Sanskrit

Text Book: रुचिरा पाठ्य पुस्तक-3

1. 30 मई के अंत तक पढ़ाया गया पाठ्यक्रम
रुचिरा पाठ्य पुस्तक-3

अध्याय संख्या-1	अध्याय का नाम-सुभाषितानि
अध्याय संख्या-2	अध्याय का नाम-बिलस्य वाणी न कदापि मे श्रुता.
अध्याय संख्या-3	अध्याय का नाम-डिजीभारतम्
अध्याय संख्या-5	अध्याय का नाम- .कण्टकनैव कण्टकम्
व्याकरण-शब्द रूप-अस्मद्, युष्मद्	
धातु रूप-खाद्, गम्	

2. मई के अंत तक सिखाई गई सभी नई अवधारणाओं(Concepts)की सूची-

- कहानी लेखन
- तत्सम शब्द लेखन
- प्रश्न निर्माण
- सन्धि/संयोग
- संस्कृत वाक्य निर्माण
- उपपद विभक्ति
- लकार परिवर्तन
- विलोम व पर्यायवाची शब्द

3. ग्रीष्मावकाश हेतु गृहकार्य-
पठन एवं वाचन गृह कार्य

- अनुभाग क-पठन गृहकार्य
- अनुभाग ख-वाचन गृहकार्य
- अनुभाग ग-पूर्व पठन गृहकार्य

लेखन गृहकार्य

- अनुभाग घ-पाठ के अनुसार पुनरावृत्ति कार्यपत्र
- अनुभाग ङ-परियोजना कार्य

4. गृहकार्य करने के लिए आवश्यक उपकरण-

- रुचिरापाठ्य पुस्तक-3
- उत्तरपुस्तिका
- गतिविधि के अनुसार संसाधन

5. पठन एवम् वाचन गृहकार्य हेतु दिशानिर्देश।

अनुभाग क -पठन गृहकार्य

पठन के लिए पुस्तक रुचिरा संस्कृत में दी गई कहानी 'बिलस्य वाणी न कदापि मे श्रुता' को पढ़ें और पढ़कर आपको जो शिक्षा मिले, उस शिक्षा को अपने जीवन का आधार बनाएँ।

○अनुभाग ख -वाचन कौशल

विद्यार्थी को निम्नलिखित विषय पर अभ्यास करना है।

पाठ 1 'सुभाषितानि' से किसी एक श्लोक का सस्वर गायन करके अर्थ सहित

ऑडियो बनाकर अपने संस्कृत अध्यापक के पास भेजें :-

○अनुभाग ग-विद्यार्थी निम्नलिखित पाठों का पूर्व पठन करें व कठिन शब्द रेखांकित करें।

अध्याय संख्या-5

अध्याय का नाम-कण्टकनैव कण्टकम्

अध्याय संख्या-6

अध्याय का नाम-गृहं शून्यं सुतां विना

अध्याय संख्या-7

अध्याय का नाम-भारतजनताऽहम्

6. लेखन गृहकार्य हेतु दिशा-निर्देश—
अनुभाग घ-पाठ के अनुसार दिए गए पुनरावृत्ति कार्यपत्र-पितृ, राजन् शब्द रूप, खेल धातु A 4 Size Sheet पर लिखें।
अनुभाग ङ-परियोजना कार्य
पाठ-5 'कण्टकनैव कण्टकम्' कहानी को चित्र द्वारा स्पष्ट करें। (A 4 Size Sheet)
संगति, मित्रता, विद्या-इनमें से किसी एक विषय पर 5 संस्कृत श्लोक अर्थ सहित लिखें। (A 4 Size Sheet)
7. संस्कृत गृहकार्य के लिए अंकन योजना
- | | |
|--|--------|
| ○ अनुभाग क-पठन गृहकार्य | |
| ● पुस्तक समीक्षा | 4 अंक |
| ○ अनुभाग ख-वाचन गृहकार्य | |
| ● छात्रों द्वारा Whatsapp पर साझा की गई ऑडियो | 4 अंक |
| ○ अनुभाग ग- पूर्व पठन गृहकार्य | |
| ● अर्थ सहित पाठ के कठिन शब्द | 4 अंक |
| ○ अनुभाग घ-पाठ के अनुसार पुनरावृत्ति कार्यपत्र | 4 अंक |
| ○ अनुभाग ङ.-परियोजना कार्य | 4 अंक |
| संस्कृत विषय के गृहकार्य के कुल अंक | 20 अंक |
8. सभी छात्रों द्वारा अपने सभी विषयों का गृहकार्य अध्यापक द्वारा मूल्यांकन के लिए 1 जुलाई 2024 तक आवश्यक रूप से जमा करवाना होगा। 1 जुलाई 2024 के बाद प्रत्येक दिन की देरी के लिए 5 अंक काटे जाएंगे।



R.E.D. Group of Schools

Revision Assignment No.1

Subject: Sanskrit

CLASS – 8

पाठ-1

पाठकानाम-सुभाषितानि

पाठ- 2

बिलस्य वाणी न कदापि मे श्रुता

शब्द रूप-अस्मद्, युष्मद्

Part- 1 (Vocabulary Skill)

प्रश्न-1. निम्नलिखित शब्दों के अर्थ लिखिए।

- | | |
|---------------|----------------|
| (क) विषाणहीनः | (च) सृजन्ति |
| (ख) पिशुनस्य | (छ) वायसाः |
| (ग) वेपथुः | (ज) समयः |
| (घ) सहसा | (झ) क्षुधार्तः |
| (ङ) व्यसनिनः | (ञ) जरा |

प्रश्न-2. निम्नलिखित शब्दों के पर्यायवाची शब्द लिखिए।

- (क) सिंहः
(ख) क्षुधार्तः

प्रश्न-3. निम्नलिखित शब्दों के विलाम शब्द लिखिए।

- (क) गुणाः
(ख) दूरे

Part- 2 (Reading Skill)

प्रश्न-4. निम्नलिखित गद्यांशम् पठित्वा प्रश्नानाम् उत्तराणि लिखत-

कस्मिश्चित् वने खरनखरः नाम सिंहः प्रतिवसतिस्म। सः कदाचित् इतस्ततः परिभ्रमन् क्षुधार्तः न किञ्चिदपिआहारंप्राप्तवान्। ततः सूर्यास्तसमये एकांमहतीं गुहां दृष्ट्वा सः अचिन्तयत्- 'नूनम्। एतस्यांगुहायां रात्रौ कोऽपि जीवः आगच्छति। अतः अत्रैव निगूढो भूत्वा तिष्ठामि' इति।

उपरोक्त गद्यांश से निम्नलिखित प्रश्नों के उत्तर दीजिए।

- (क) सः कदागुहाम् अपश्यत्?
(ख) खरनखरः कः आसीत्?
(ग) सः कुत्र वसति स्म?
(घ) सः कीदृशः इतः ततः अभ्रमत्?

Part- 3 (Application Skill)

प्रश्न-5. प्रश्नानाम् उत्तराणि एक पदेन लिखत-

- (क) मधुमक्षिका किं जनयति?
(ख) मधुरसूक्तरस के सृजन्ति?
(ग) अर्थिनः केभ्यः विमुखा न यान्ति?
(घ) हस्तपादादिकाः क्रियाः केषां न प्रवर्तन्ते?
(ङ) गुहा केन प्रतिध्वनिता?

प्रश्न-6. रेखांकित पदानि आधृत्य प्रश्न निर्माणम् कुरुत-

- (क) गुणाः गुणज्ञेषु गुणाः भवन्ति।
(ख) नद्यः सुस्वादुतोयाः भवन्ति।
(ग) तस्य मूर्ध्नि तिष्ठन्ति वायसाः।
(घ) क्षुधार्तः सिंहः कुत्रापि आहारं न प्राप्तवान्।
(ङ) दधिपुच्छः नाम शृगालः गुहायाः स्वामी आसीत्।

प्रश्न-7. प्रश्नानाम् उत्तराणि पूर्णवाक्येन लिखत-

- (क) महतीं गुहां दृष्ट्वा सिंहः किम् अचिन्तयत्?
(ख) शृगालः किम् अचिन्तयत्?
(ग) कः शोभते?

प्रश्न-8. निम्नलिखित 'युष्मद्' शब्द रूप आधारित रिक्त-स्थानों को पूर्ण कीजिए-

युष्मद् शब्द रूप

विभक्ति:	एकवचनम्	द्विवचनम्	बहुवचनम्
प्रथमा	त्वम्	.....	यूयम्
द्वितीया	.....	युवाम्	युष्मान्
तृतीया	त्वया	.....	.....
चतुर्थी	तुभ्यम्	युवाभ्याम्	युष्मभ्यम्

प्रश्न-9. निम्नलिखित 'अस्मद्' शब्द रूप आधारित रिक्त-स्थानों को पूर्ण कीजिए-

अस्मद् शब्द रूप

विभक्ति:	एकवचनम्	द्विवचनम्	बहुवचनम्
प्रथमा	अहम्	.....	वयम्
द्वितीया	.....	आवाम्	अस्मान्
तृतीया	.....	.....	.....
चतुर्थी	मह्यम्	आवाभ्याम्	.....

Part- 4 (Learning Homework)

याद करने हेतु गृहकार्य - पाठ-1 सुभाषितानि पाठ-2 बिलस्य वाणी न कदापि मे श्रुता से 1-4 तक प्रश्न याद कीजिए।



R.E.D. Group of Schools

Revision Assignment No.2

Subject: Sanskrit

CLASS – 8

पाठ-35

पाठ-5

पाठ का नाम- डिजीभारतम् .

कण्टकनैव कण्टकम्

धातु रूप-खाद्, गम्

Part- 1 (Vocabulary Skill)

प्रश्न-1. निम्नलिखित शब्दों के अर्थ लिखिए।

- | | |
|---------------|-------------|
| (क) उत्पद्यते | (च) पिपासुः |
| (ख) प्रविधिः | (छ) शमय |
| (ग) सन्दर्श्य | (ज) भणितम् |
| (घ) सौकर्येण | (झ) छेदनम् |
| (ङ) कर्गदस्य | (ञ) उपगम्य |

प्रश्न-2. निम्नलिखित शब्दों के पर्यायवाची शब्द लिखिए।

- (क) समर्थः
(ख) क्षुधार्तः

प्रश्न-3. निम्नलिखित शब्दों के विलाम शब्द लिखिए।

- (क) प्राचीनं
(ख) मूर्खः

Part- 2 (Reading Skill)

प्रश्न-4. निम्नलिखित गद्यांश पठित्वा प्रश्नानाम् उत्तराणि लिखत-

गद्यांश पठित्वा प्रश्नानाम् उत्तराणि लिखत-

अद्य संपूर्णविश्वे "डिजिटल इण्डिया" इत्यस्य चर्चा श्रूयते। अस्य पदस्य कः भावः इति मनसि जिज्ञासा उत्पद्यते। कालपरिवर्तनेन सह मानवस्य आवश्यकताऽपि परिवर्तते। प्राचीनकाले ज्ञानस्य आदान-प्रदानं मौखिकम् आसीत्, विद्या च श्रुतिपरम्परया गृह्यते स्म। अनन्तरं तालपत्रोपरि भोजपत्रोपरि च लेखन कार्यम् आरब्धम्। परवर्तिनिकाले कर्गदस्य लेखन्याः च आविष्कारेण सर्वेषामेव मनोगतानां भावानां कर्गदोपरि लेखनं प्रारब्धम्। टंकण यंत्रस्य आविष्कारेण तु लिखिता सामग्री टंकिता सती बहुकालाय सुरक्षिता अतिष्ठत्।

उपरोक्त गद्यांश से निम्नलिखित प्रश्नों के उत्तर दीजिए।

- (क) अद्य सम्पूर्ण विश्वे कस्य चर्चा श्रूयते?
(ख) अनन्तरं तालपत्रोपरि भोजपत्रोपरि च किम् आरब्धम्?
(ग) परिवर्तिनिकाले किं प्रारब्धम्?
(घ) टंकणयन्त्रस्य आविष्कारेण का बहुकालाय सुरक्षिता अतिष्ठत्?

Part- 3 (Application Skill)

प्रश्न-5. प्रश्नानाम् उत्तराणि एक पदेन लिखत-

- (क) आपणे वस्तूनां क्रयसमये केषाम् अनिवार्यता न भविष्यति?
(ख) कस्मिन् उद्योगे वृक्षाः उपयुज्यन्ते?
(ग) अद्य सर्वाणि कार्याणि केन साधितानि भवन्ति?
(घ) सर्वः किं समीहते?
(ङ) निःसहायोऽयं याघ्रः किम् याचते?

प्रश्न-6. रेखांकित पदानि आधृत्य प्रश्न निर्माणम् कुरुत-

- (क) सर्वाणि पत्राणि चलदूरभाषयन्त्रे सुरक्षितानि भवन्ति।
(ख) विश्राम गृहेषु कक्षां सुनिश्चितं भवेत्।
(ग) व्याघ्रः लोमशिकायै निखिल कथां न्यवेदयत्।
(घ) मानवाः वृक्षाणां छायायां विरमन्ति।।
(ङ) व्याघ्रः नद्याः जलेन व्याधस्य पिपासाम् शमयत्।

प्रश्न-7. प्रश्नानाम् उत्तराणि पूर्णवाक्येन लिखत-

(क) वयम् कस्यां दिशि अग्रेसरामः?

(ख) जाले पुनः बद्धं व्याघ्रं दृष्ट्वा व्याधः किम् अकरोत्?

(ग) चञ्चलेन वने किम् कृतम्?

प्रश्न-8. निम्नलिखित 'गम्' धातु रूप आधारित रिक्त-स्थानों को पूर्ण कीजिए-

गम् धातु रूप

लट्लकारः

पुरुषः	एकवचनम्	द्विवचनम्	बहुवचनम्
प्रथमः	गच्छति	.....	गच्छन्ति
मध्यमः	.....	गच्छथः	गच्छथ
उत्तमः	गच्छामि	.....	.....

प्रश्न-9. निम्नलिखित 'खाद्' धातु रूप आधारित रिक्त-स्थानों को पूर्ण कीजिए-

लोट्लकारः

पुरुषः	एकवचनम्	द्विवचनम्	बहुवचनम्
प्रथमः	.....	.....	खादन्तु
मध्यमः	खाद	.....	.....
उत्तमः	.....	खादाव	.....

Part- 4 (Learning Homework)

याद करने हेतु गृहकार्य - पाठ-3 डिजीभारतम्, पाठ-5 कण्टकनैव कण्टकम् से 1-4 से तक प्रश्न याद कीजिए।



Summer Holidays Homework

SESSION: 2024-25

CLASS – 8th (NTSE)

Subject: Maths

Text Book: MTG Publications

1. Syllabus Covered upto MAY END

- Chapter No.- 1 Chapter Name-Rational Numbers
- Chapter No.- 2 Chapter Name- Linear Equations in one variable
- Chapter No.- 3 Chapter Name- Understanding Quadrilaterals
- Chapter No.- 4 Chapter Name-Data Handling
- Chapter No.- 5 Chapter Name- Squares and Square Roots
- Chapter No.- 6 Chapter Name- Cubes and Cube Roots
- Chapter No.- 7 Chapter Name-Comparing Quantities
- Chapter No.- 8 Chapter Name- Algebraic Expressions and Identities

2. List of all new concepts taught up to MAY END

- ❖ Introduction of Rational Numbers
- ❖ Properties of Rational Numbers
- ❖ Introduction of Linear equations in one variable
- ❖ Solving equations which have linear expressions on one side and numbers on the other side
- ❖ Solving equations having the variable on both sides
- ❖ Reducing equations to simpler form
- ❖ Polygons
- ❖ Angle sum Property
- ❖ Sum of the measures of the Exterior angles of a polygon
- ❖ Kinds of quadrilaterals
- ❖ Some special Parallelograms
- ❖ Types of data
- ❖ Raw data
- ❖ Arrayed data
- ❖ Range
- ❖ Presentation of data
- ❖ Tally marks
- ❖ Frequency distribution tables
- ❖ Pythagorean triplets
- ❖ Some other methods for squaring a number
- ❖ Square Roots
- ❖ Square roots of fraction numbers or rational numbers
- ❖ Approximate values of square roots by using square root tables
- ❖ Properties of cube roots
- ❖ Finding cube root by prime factorization method
- ❖ Cube root of a negative integer perfect cubes
- ❖ Cube root of product of integers
- ❖ Cube root of a rational number
- ❖ Cube root of a number by using its units digit
- ❖ Conversion of percentage
- ❖ Application of percentage
- ❖ Word problem of percentage
- ❖ Profit and loss
- ❖ Profit or loss as percentage
- ❖ Over head charge
- ❖ Discount
- ❖ Polynomial
- ❖ Types of algebraic expression

3. Summer Holiday Homework:

- Reading Homework:
 - **Section-A:** Pre-Reading Homework Ch 9 (Pg No. 145 to 168)
- Written Homework:
 - **Section-B:** Chapter-wise Revision Assignment
 - **Section-C:** Lab Practicals
- **Section-D-** Indian Mathematicians and their contributions (Any 2 Mathematicians).
 - **Section-E:** Creative Project/ Model

4. Tools required for doing Homework:

- Text Book
- A₄ Sheets

5. Instruction/Guidelines for Reading Homework:

- Section – A: Pre-Reading Homework
 - Do the Pre-Reading of Chapter No. 10 and 11

- Write all the difficult words & their meanings of above chapters in Maths N.B.

6. Instruction/Guidelines for Written Homework

- **Section-B:** Do the given Assignments on A4 size sheets.
- **Section-C:** Lab Practicals
 - Make the following lab activities in lab manual
- Convex and Concave Polygons
- Interior and exterior angles of a triangle
- Area of parallelograms
- **Section-D- Indian Mathematicians and their contribution(Any 2 Mathematicians).**
Inquire for the Indian mathematicians and prepare a project on A4 size sheets and a collage by using their pictures.
 - **Mathematicians for Research:**
 - Mathematician-1:** Srinivasa Ramanujan
 - Mathematician-2:** Aryabhata
 - **Point to be enquired:**
 - Birth
 - Education
 - Branch in which they worked
 - Achievements

Section – E: Creative Project/ Models

Topic: Roll no 1 to 12 (Make a project of types of rational number and write their properties.)

• **Material Required**

- Chart paper
- Scale
- Marker

Topic: Roll no 13 to 25 (Prepare a project showing types of quadrilaterals and write their properties also.)

• **Material Required**

- Chart paper
- Fevicol
- 3 D Folding of papers.
- Colourful sheets

Topic: Roll no 26 to 39 (Prepare a dictionary using mathematics words with meaning and definition. Write at least 5 words for each alphabet.)

• **Material Required**

- Colourful sheet
- Sketch pens / Blue/ Black gel pen
- You can prepare small booklet

7. Marking scheme for Maths homework: –

- **Section-A : Pre-Reading HW** **4 marks**
 - Difficult words & their meanings in NoteBook
- **Section-B : Chapter wise Revision Assignments** **4 marks**
- **Section-C : Lab Practical** **4 marks**
- **Section-D : Mathematician for Research** **4 marks**
- **Section-E : Project/Model** **4 marks**

Total marks of Maths H.W.

20 marks

8. Important Note:

- All students must submit their vacation Homework of All Subjects for Assessment by teacher on 1st July 2024 by all means. Five marks will be deducted for per day of delay after 1st July 2024.



R.E.D. Group of Schools

Chapter-wise Revision Assignment - 1

Class: 8th

Ch.No.:1

Subject: Maths

Ch. Name: Rational Number

For recapitulation & solving the assignment the students should refer to their MTG Publications of Maths (Ch-1)

Part-1 – Vocabulary skills

Q.1. Define the following key terms:

- | | | | |
|---------------------|--------------------|------------------|------------------|
| a) Rational numbers | b) Natural Numbers | c) Whole Numbers | d) Integers |
| e) Property | f) Closure | g) Commutativity | h) Associativity |
| i) Identity | j) Distributivity | | |

Q.2. Write the Formula/Sign/Symbol of the following terms:

- a) Natural number b) Whole number

Part-2 – Reading skills

Q.3. Read the following Passage from the Chapter & answer the questions.

Passage

Rajni had a certain amount of money in her purse. She spent Rs. $10\frac{1}{4}$ in the school canteen, bought a gift worth Rs. $25\frac{3}{4}$ and left money gave Rs. $16\frac{1}{2}$ to her friend. _

Answer the following Questions from the passage:-

- (A) How much amount she was having in her purse in beginning?
(B) How much total amount she spent in school canteen and buying a gift?
(C) How much more amount she spent in buying a gift than spent in school canteen?

Part-3 – Application skills of Subject Tools & Concepts

Q.4. Solve these 3 mental math questions: -

a) Find the product of $\left(\frac{-7}{8}\right)$ and $\left(\frac{4}{21}\right)$?

b) What do we get when we transpose $5/2$ to RHS in the equation $\frac{x}{4} + \frac{5}{2} = \frac{-3}{3}$?

c) If $\frac{x}{3} + 1 = \frac{7}{15}$, then find x .

Q.5. Do the following questions on the basis of reasoning skills:

Q1. If $-3/2$ and $5/3$ are rational numbers:

(i) What is the multiplication of these rational numbers?

- | | |
|-------------|------------|
| (a) $5/2$ | (b) $1/10$ |
| (c) $-1/10$ | (d) $5/10$ |

(ii) What is the reciprocal of $-3/2$?

- | | |
|-----------|------------|
| (a) $2/3$ | (b) $-2/3$ |
| (c) $3/2$ | |

Q.6. Solve the following Assertion-Reason/Statement based question

(i) The additive inverse of $\frac{-a}{b}$ is ____.

- | | | | |
|------------------|------------------|-------------------|-------------------|
| a) $\frac{a}{b}$ | b) $\frac{b}{a}$ | c) $\frac{-b}{a}$ | d) $\frac{-a}{b}$ |
|------------------|------------------|-------------------|-------------------|

(ii) Multiplicative inverse of 0 is ____.

- | | | | |
|---------|------|-------------------|------|
| a) -1 | b) 0 | c) does not exist | d) 1 |
|---------|------|-------------------|------|

Q.7. Solve the following Puzzle/Sudoku

Puzzle

a) Fill in the puzzle so that every row across, every column down and every 2 by 2 box contains the numbers 1 to 4.

3		1	2
	1		3
1		3	4

Sudoku

b) Solve this sudoku such that every row and column and every 3 by 3 grid fill with 1 to 9 only.

5	3		7					
6			1	9	5			
	9	8					6	
8			6					3
4			8		3			1
7			2					6
	6					2	8	
			4	1	9			5
			8				7	9

Q.8. Solve the following Real Life descriptive word problems: -

- Give example of distributive property of multiplication over addition for rational number.
- Name the property under multiplication used in each of the following:

(i) $\frac{-4}{5} \times 1 = 1 \times \frac{-4}{5} = \frac{-4}{5}$

c) Write the additive inverse of $\frac{19}{-6}$ and $\frac{-2}{3}$.

Q.9. Answer the following Short Answer Type Questions

- What number should be added to $\frac{3}{8}$ to get $-\frac{1}{24}$?
- Which of the rational numbers $\frac{4}{9}$, $-\frac{5}{6}$, $-\frac{7}{-12}$ and $\frac{11}{-24}$ is the smallest?
- Which of the rational numbers $-\frac{4}{9}$, $\frac{5}{-12}$, $\frac{7}{-18}$, $\frac{2}{-3}$ is the greatest?
- Simplify: $\frac{2}{3} + -\frac{4}{5} + \frac{7}{15} + -\frac{11}{20}$.
- Convert the decimal number 1.75 to the rational form.

Q.10. Answer the following Long Answer Type Questions

- Write any 5 rational numbers between $\frac{-5}{6}$ and $\frac{7}{8}$.
- Represent the following rational numbers on number lines. a) $\frac{-2}{3}$ b) $\frac{3}{4}$ c) $\frac{3}{2}$
- The product of two rational numbers is $\frac{15}{56}$. If one of the numbers is $\frac{-5}{48}$, find the other.
- The sum of the rational numbers $-\frac{8}{19}$ and $-\frac{4}{57}$ is _____.
- Find the value of $\frac{1}{2} \times \frac{7}{8}$.

Part-4 – Learning Homework

- ❖ **Learning Homework:** Learn all definitions & formulas of MTG Publications Book.
 - Revise Complete chapter



R.E.D. Group of Schools

Chapter-wise Revision Assignment - 2

Class: 8th

Ch.No.: 2

Subject: Maths

Ch. Name: Linear Equations

For recapitulation & solving the assignment the students should refer to their MTG Publications of Maths (Ch-2)

Part-1 – Vocabulary skills

Q.1. Define the following key terms:

- | | | | |
|------------------------------------|------------------|--------------------|-------------|
| a) Constant | b) Variable | c) Coefficient | |
| d) Equation | e) Unique | f) Solution | g) Infinite |
| h) Linear equation in one variable | i) Straight line | j) Cartesian plane | |

Q.2. Write the Formula/Sign/Symbol of the following terms:

- | | |
|-------------|-------------------------------------|
| a) Variable | b) Standard form of linear equation |
|-------------|-------------------------------------|

Part-2 – Reading skills

Q.3. Read the following Passage from the Chapter & answer the questions.

Passage

Deveshi has a total of Rs590 as currency notes in the denominations of Rs 50, Rs 20 and Rs 10. The ratio of the number of Rs 50 notes and Rs 20 notes is 3:5. If she has a total of 25 notes. Then _____

Answer the following Questions from the passage:-

- How many notes of Rs 50 denomination she has?
- How many notes of Rs 20 denomination she has?
- How many notes of Rs 10 denomination she has?

Part-3 – Application skills of Subject Tools & Concepts

Q.4. Solve these 3 mental math questions: -

- If the difference of two consecutive numbers is 15 and greater of them is x then find the smaller number.
- If $2x/5 = 4$, then find the value of x .
- Find the degree of equation $x^4 - 9 = 2x^2$.

Q.5. Do the following questions on the basis of reasoning skills:

(i) The solution of $2x-3 = 7$ is:

- | | |
|--------|--------|
| (a) 5 | (b) 7 |
| (c) 12 | (d) 11 |

ii) The solution of $6x-17=7$ is :

- | | | | |
|-------|-------|--------|-------------------|
| (a) 4 | (b) 7 | (c) 11 | (d) None of these |
|-------|-------|--------|-------------------|

Q.6. Solve the following Assertion-Reason/Statement based question

(i) Directions: In the following questions, a statement of assertion (A) is followed by a statement of reason (R). Mark the correct choice as:

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

Q.i. **Assertion** : $4x/3 + x=5$ is a linear equation.

Reason : Solution of the equation can any number.

Q.ii. **Assertion** : $7x^{-2} + 3x=5$ is a linear equation.

Reason : In linear equation power of x cannot be negative.

Q.7. Solve the following Puzzle/Sudoku

Puzzle

- Fill in the puzzle so that every row across, every column down and every 2 by 2 box contains the numbers 1 to 4.

3		1	2
	1		3
1		3	4

Sudoku

b) Solve given Sudoku

			2	1				
		7	3					
	5	8						
4	3							
2								8
						7	6	
					2	5		
				7	3			
			9	8				

Q.8. Solve the following Real Life descriptive 3 word problems: -

a) A positive number is 5 times another number. If 21 is added to both the numbers, then one of the new numbers becomes twice the other new number. What are the numbers?

b) Solve : $x = (x+10)$

c) The solution of $2x-6 = 7y-6$ is.

Q.9. Answer the following Short Answer Type Questions

- How old will I be after 10 years, if my age before 10 years was 'x' years?
- Solve: $5x - 3 = 3x + 7$
- The sum of two numbers is 74. If one of the numbers is 10 more than the other number, find the two numbers.
- A is twice old as B. Five years ago A was 3 times as old as B. Find their present ages.
- Divide 40 into two parts such that 1/4th of one part is 3/8th of the other.

Q.10. Answer the following Long Answer Type Questions

a) Solve the following linear equations:

(i) $x - 11 = 7$

(ii) $z + 8 = 9$

(iii) $11x = 121$

b). Solve: $(x - 2) + (x - 3) + (x - 9) = 0$

c) Find the value of x : $(2x-2)+(3x-3)+(9x-9) = 1$

d). Solve each of the following equations and check your solution by substituting in the equation.

(i) $x/2-10=1/2$

(ii) $x/3-x/2=6$

Part-4 – Learning Homework

❖ **Learning Homework:** Learn all definitions & formulas of MTG Publications Book.

- Revise Complete chapter



R.E.D. Group of Schools

Chapter-wise Revision Assignment - 3

Class:8th
Ch. No.: 3,4
quadrilateral, Data Handling

Subject: Maths
Ch. Name: Understanding

For recapitulation & solving the assignment the students should refer to their MTG Publications of Maths (Ch-3)

Part-1 – Vocabulary skills

Q.1. Define the following key terms:

- | | | | |
|-------------------|--------------|------------------|---------------|
| a) Quadrilaterals | b) Parallel | c) Parallelogram | d) Polygon |
| e) Convex | f) Frequency | g) Observation | h) Pictograph |
| i) Histogram | j) Outcomes | | |

Q.2. Write the Formula/Sign/Symbol of the following terms:

- | | |
|------------------|-------------------|
| a) Perpendicular | b) Parallel Lines |
|------------------|-------------------|

Part-2 – Reading skills

Q.3. Read the following Passage from the Chapter & answer the questions.

Passage

After summer vacation, Manit's class teacher organised a small quiz, based on the properties of quadrilaterals. During quiz, she asks different questions to students. Some of the questions are listed below:

Answer the following Questions from the passage:-

- (A) Find perimeter of a parallelogram whose parallel sides have lengths equal to 12 cm and 7 cm.
(B) If $\angle A$ and $\angle B$ are two adjacent angles of a parallelogram. If $\angle A = 70^\circ$, then $\angle B = ?$
(C) What you mean by rhombus?

Part-3 – Application skills of Subject Tools & Concepts

Q.4. Solve these 3 mental math questions -

- a) The three angles of a quadrilateral are 100° , 80° , 50° . Find the fourth angle.
b) In a parallelogram PQRS, if $\angle P = (3x - 5)^\circ$ and $\angle Q = (2x + 15)^\circ$. Find the value of x.
c) What you mean by a trapezium?

Q.5. Do the following questions on the basis of reasoning skills:

- (i) Which of the following is not a quadrilateral?
a) Square
b) Rectangle
c) Triangle
d) Parallelogram
(ii) Which of the following quadrilaterals is not a rhombus?
(a) All four sides are equal
(b) Diagonals bisect each other
(c) Diagonals bisect opposite angles
(d) One angle between the diagonals is 60°

Q.6. Solve the following Assertion-Reason/Statement based question

Directions: In the following questions, a statement of assertion (A) is followed by a statement of reason (R). Mark the correct choice as:

- (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.

Q.i. Assertion : The angles of a quadrilateral are x° , $(x - 10)^\circ$, $(x + 30)^\circ$ and $(2x)^\circ$, the smallest angle is equal to 58° .

Reason : Sum of the angles of a quadrilateral is 360° .

Q.ii Assertion: Rectangle is a quadrilateral.

Reason: A four-sided polygon is a quadrilateral. It has four sides and four angles.

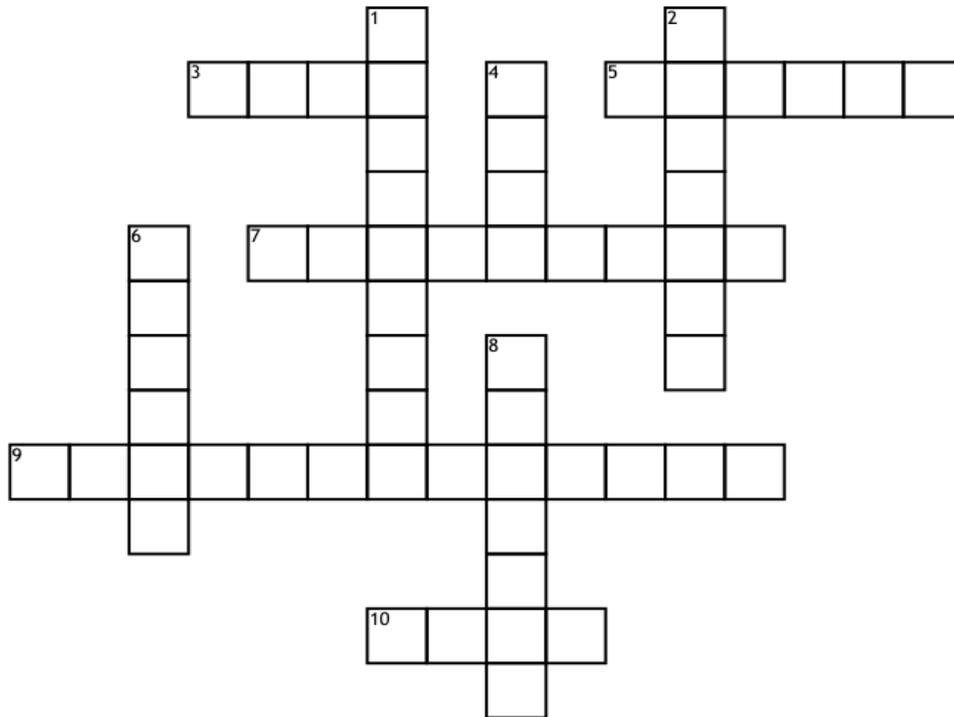
Q.7. Solve the following Puzzle/Sudoku

Puzzle

a) Solve given puzzle

Name: _____ Date: _____

Quadrilaterals



Across

3. The word lateral means _____
5. A right angel is _____ degrees
7. I have one pair of opposite sides that are parallel
9. I have opposite angles that are equal
10. How many sides does a quadrilateral have?

Down

1. I have opposite sides that are equal and parallel
2. A rhombus is sometimes called a _____
4. My diagonals intersect at right angles
6. All my angles are right angles
8. All my sides are equal

Sudoku

- b) Solve given Sudoku such that every row and every column and every 3 by 3 grid must contain number 1 to 9 only

3			8		1			2
2		1		3		6		4
			2		4			
8		9				1		6
	6						5	
7		2				4		9
			5		9			
9		4		8		7		5
6			1		7			3

Q.8. Solve the following Real Life descriptive 3 word problems: -

- Find perimeter of a parallelogram whose parallel sides have lengths equal to 16 cm and 8 cm.
- If $\angle A$ and $\angle B$ are two adjacent angles of a parallelogram. If $\angle A = 60^\circ$, then $\angle B = ?$
- In a parallelogram ABCD, write the sum of angles A and B.

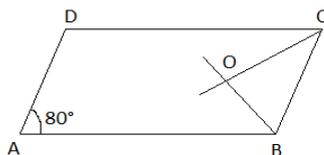
Q.9. Answer the following Short Answer Type Questions

- Diagonals of a quadrilateral ABCD bisect each other. If $\angle A = 35^\circ$, determine $\angle B$
- ABCD is a trapezium in which $AB \parallel CD$ and $\angle A = \angle B = 45^\circ$. Find $\angle D$ of the trapezium .
- Find the measure of each exterior angle of a regular polygon of 9 sides.
- The angles of a quadrilateral are in the ratio 1 : 2 : 3 : 4. Find all the angles of the quadrilateral.
- The three angles of a quadrilateral are $90^\circ, 110^\circ, 50^\circ$. Find the fourth angle.
- The weekly wages (in Rs.) of 30 workers in a factory are: 830, 835, 890, 810, 835, 836, 869, 845, 898, 890, 820, 860, 832, 833, 855, 845, 804, 808, 812, 840, 885, 835, 835, 836, 878, 840, 868, 890, 806, 840.

Using tally marks, make a frequency table with intervals as 800 – 810, 810 – 820 and so on.

Q.10. Answer the following Long Answer Type Questions

- In a quadrilateral ABCD, $\angle D$ is equal to 150° and $\angle A = \angle B = \angle C$. Find $\angle A, \angle B$ and $\angle C$.
- In quadrilaterals,
 - which of them have their diagonals bisecting each other?
 - which of them have their diagonal perpendicular to each other
- ABCD is a parallelogram with $\angle A = 80^\circ$. The internal bisectors of $\angle B$ and $\angle C$ meet each other at O. Find the measure of the three angles of $\triangle BCO$.



- Find the measure of all four angles of a parallelogram whose consecutive angles are in the ratio 1 : 3.
- (a) Draw a histogram for the daily earnings of 46 general stores given in the following table :

Daily earnings (In Rs)	Number of general stores
1450-1500	4
1500-1550	10
1550-1600	9
1600-1650	18
1650-1700	5

- (b) The number of students admitted in different faculties of a college are given below

- b) Both A and R are true but R is not the correct explanation of A
 c) A is true but R is false
 d) A is false but R is true
- (i) Assertion) The cube of the number 12 is 1728
 Reason) if a number has 2 in its ones place, its cube has 8 in the place.
- (ii) Assertion) the cube root of 9261 is 31
 Reason) cube roots of a product of two perfect cubes is the product of their square roots.a)

Q.7. Solve the following Puzzle/Sudoku

Puzzle

a) Solve given puzzle

Consider a three-digit number whose cube root is an integer. The digits of this number are reversed to form a new number, which also has an integer as its cube root. Find the original three-digit number and its reversed form.

Sudoku

b) Solve this sudoku such that every row and column and every 3 by 3 cell fill with 1 to 9 only

		9	5				3	
						9	5	
	8							4
6		8		1	7			
7		3	8		5	4		6
			3	9		8		5
5							6	
	1	6						
	2			3	7			

Q.8. Solve the following Real Life descriptive word problems: -

- a) Find the cube root of 13824 by prime factorisation method.
 b) You are told that 1,331 is a perfect cube. Can you guess without factorisation what is its cube root? Similarly, guess the cube roots of 4913, 12167, 32768.
 c) Show that 192 is not a perfect cube.

Q.9. Answer the following Short Answer Type Questions

- What is the smallest number by which 2916 should be divided so that the quotient is a perfect cube?
- Find the cube roots of
 (i) -0.729
- Find the cube of (0.09).
- A gardener has 1000 plants, he wants to plant these in such a way that the number of rows and number of column remain same. Find the minimum number of plants he need more for this.
- Write a Pythagorean triplet whose one member is 18.

Q.10. Answer the following Long Answer Type Questions

- What is the smallest number by which 2048 may be multiplied so that the product is a perfect cube?
- Solve $\sqrt[3]{125 \times 343}$
- Solve $\sqrt[3]{\frac{1000}{1728}}$
- Find the square root of 150.0625 by using the method of long division.
- Find the greatest number of four digits which is a perfect square.

Part-4 – Learning Homework

- ❖ **Learning Homework:** Learn all definitions & formulas of MTG Publications Book.
- Revise Complete chapter

- (3,0,2)one number is correct and well-placed;
- (3,5,6)one number is correct but wrong placed;
- (5,7,4)Two numbers are correct but wrong placed;
- (6,8,9)nothing is correct;
- (6,7,0)one number is correct but wrongly placed

Sudoku

b) Solve this sudoku such that every row and column and every 3 by 3 grid fill with 1 to 9 only.

			5	3			4	
4		5				3	7	2
		8			2			
		1	2	6				9
	9	3				4	2	
8			4	7	1			
			8			7		
9	8	7				2		1
1			7	5				

Q.8. Solve the following Real Life descriptive3 word problems: -

- a) A football team won 10 matches out of the total number of matches they played. If their win percentage was 40, then how many matches did they play in all?
- b) If Chameli had Rs.600 left after spending 75% of her money, how much did she have in the beginning?
- c) A shopkeeper buys 80 articles for Rs. 2,400 and sells them for a profit of 16%. Find the selling price of one article.

Q.9. Answer the following Short Answer Type Questions

4. The cost of an article was Rs. 15,500. Rs. 450 was spent on its repairs. If it is sold for a profit of 15%, find the selling price of the article.
5. I purchased a hair dryer for Rs. 5,400, including 8% VAT. Find the price before VAT was added.
6. Arun bought a pair of skates at a sale where the discount given was 20%. If the amount he pays is ₹ 1,600, find the marked price.
7. The price of a TV is Rs. 13,000. The sales tax charged on it is at the rate of 12%. Find the amount that Vinod will have to pay if he buys it.
8. During a sale, a shop offered a discount of 10% on the marked prices of all the items. What would a customer have to pay for a pair of jeans marked at Rs. 1450 and two shirts marked at Rs. 850 each?

Q.10. Answer the following Long Answer Type Questions

4. If 60% of people in the city like cricket, 30% like football and the remaining like other games, then what per cent of the people like other games? If the total number of people is 50 lakhs, find the exact number who like each type of game.
5. Kamala borrowed Rs. 26400 from a Bank to buy a scooter at a rate of 15% p.a. compounded yearly. What amount will she pay at the end of 2 years and 4 months to clear the loan?
6. Vasudevan invested Rs. 60000 at an interest rate of 12% per annum compounded half yearly. What amount would he get
 - (i) after 6 months?
7. The population of a place increased to 54000 in 2003 at a rate of 5% per annum
 - (i) find the population in 2001
8. In a laboratory, the count of bacteria in a certain experiment was increasing at the rate of 2.5% per hour. Find the bacteria at the end of 2 hours if the count was initially 5,06,000.

Part-4 – Learning Homework

Learning Homework: Learn all definitions & formulas of MTG Publications Book.

- Revise Complete chapter



R.E.D. Group of Schools

Chapter-wise Revision Assignment - 6

Class: 8th
Ch.No.: 8
Identities

Subject: Maths
Ch. Name: Algebraic Expression and

For recapitulation & solving the assignment the students should refer to their MTG Publications of Maths (Ch-8)

Part-1 – Vocabulary skills

Q.1. Define the following key terms:

- | | | | |
|---------------------------|-----------------|---------------------|------------------|
| i) Algebraic Expression | ii) Coefficient | iii) Variable | iv) Trinomial |
| v) Biquadratic polynomial | vi) Literal | vii) Absolute value | viii) Identities |
| ix) Rational number | x) Constant | | |

Q.2. Write the Formula/Sign/Symbol of the following terms:

- a) $a^2 - b^2$ b) $(a + b)^2$

Part-2 – Reading skills

Q.3. Read the following Passage from the Chapter & answer the questions.

Passage

There are different methods for finding out the factorization of algebraic expressions which are as follows :

- * Factorisation by finding a common factor
- * Factorisation by grouping
- * Factorisation the difference of two squares
- * Factorisation perfect square trinomials
- * Factorisation by making factors of the form $(x + a)(x + b)$

Read the questions carefully and give the answer of the following :

Answer the following Questions from the passage:-

- (A) Factorise by finding the common factor in the given polynomial: $2ab(x - y) - 4ac(x - y) + 6ab(x - y)$.
(B) Simplify by proper factorization methods: $(x^2 - 5)(x + 5) + 25$.
(C) Using identity $(x + a)(x + b)$, find the product of $(3x - 8)(3x + 5)$.

Part-3 – Application skills of Subject Tools & Concepts

Q.4. Solve these 3 mental math questions: -

a) Using $a^2 - b^2 = (a + b)(a - b)$, find $(1.02)^2 - (0.98)^2$.

b) Using identities, evaluate 99^2

c) Simplify by proper factorization methods: $(x^2 - 5)(x + 5) + 25$.

Q.5. Do the following questions on the basis of reasoning skills:

- iii) What is the degree of the polynomial $25x^3 - 10x^2y^2 - 8y^2 + 21$?
a) 3 b) 2 c) 4 d) None of these
- iv) Find numerical coefficients of $3(-x^2)y^3$ is _____.
a) 3 b) -3 c) 1 d) None of these

v) **Q.6. Solve the following Assertion-Reason/Statement based question**

- (i) Assertion (A): $-8abc + 4bac$ is a binomial.
Reason (R): If an expression contains two terms, it is called a binomial.
a) Both A and R are true and R is the correct explanation of A
b) Both A and R are true but R is not the correct explanation of A

c) A is true but R is false

d) A is false but R is true

(ii) Assertion (A): In an algebraic expression $3x - 5$, -5 is called constant.

Reason (R): Constants do not have a fixed value.

a) Both A and R are true and R is the correct explanation of A

b) Both A and R are true but R is not the correct explanation of A

c) A is true but R is false

d) A is false but R is true

Q.7. Solve the following Puzzle/Sudoku

Puzzle

a) Solve given puzzle

Suppose "s" represents the number of seconds in a day and "h" represents the number of hours in ten years (which will also include two leap years), can you calculate which quantity is greater from the two variables?

Sudoku

b) Solve this sudoku such that every row and column and every 3 by 3 grid fill with 1 to 9 only.

5	3			7				
6			1	9	5			
	9	8					6	
8				6				3
4			8		3			1
7				2				6
	6					2	8	
			4	1	9			5
				8			7	9

Q.8. Solve the following Real Life descriptive word problems: -

a) Using suitable identity, find 103×104 .

b) Factorise: $p^2 + 6p + 8$

c) Factorise: $q^2 - 10q + 21$

Q.9. Answer the following Short Answer Type Questions

9. Solve: $(3x^2 - 4y^2)^2$

10. Subtract: $4a - 7ab + 3b + 12$ from $12a - 9ab + 5b - 3$

11. Add: $ab - bc$, $bc - ca$, $ca - ab$

12. Factorise: $49b^2 + 84bd + 36d^2$

13. Show that. $(3x + 7)^2 - 84x = (3x - 7)^2$.

Q.10. Answer the following Long Answer Type Questions

9. Find the following squares by using the identities. $[(2m/3) + (3n/2)]^2$.

10. Solve using suitable identity $(0.4p - 0.5q)^2$.

11. Simplify: $(a + b)(c - d) + (a - b)(c + d) + 2(ac + bd)$

12. Simplify: $(x + y)(2x + y) + (x + 2y)(x - y)$

13. Subtract $3x - 4y - 7z$ from the sum of $x - 3y + 2z$ and $-4x + 9y - 11z$.

Part-4 – Learning Homework

❖ **Learning Homework:** Learn all definitions & formulas of MTG Publications Book.

- Revise Complete chapter



Summer Holidays Homework

SESSION: 2024-25

CLASS – 8th (NTSE)

Subject: Science

Text Book: MTG Publication

1. Syllabus Covered upto MAY END

- Chapter No. – 1 Chapter Name-Crop Production and Management
- Chapter No.- 2 Chapter Name-Microorganisms: Friend and Foe
- Chapter No.- 5 Chapter Name-Coal and petroleum
- Chapter No.- 6 Chapter Name- Combustion and Flame
- Chapter No. - 7 Chapter Name - Conservation of Plants and Animals

2. List of all new concepts taught upto MAY END

1. Types of crops
2. Agricultural practices
3. Types of microorganisms
4. Useful and harmful microorganisms
5. Nitrogen cycle
6. Destructive distillation of coal
7. Extraction and refining of petroleum
8. Combustion and its types
9. Flame and its structure
10. Fuel and fuel efficiency
11. Conservation of flora and fauna
12. Biodiversity
13. Deforestation and its causes
14. Consequences of deforestation
15. Biosphere reserve, Wildlife Sanctuary, National Parks

3. Summer Holiday Homework:

- **Reading Homework:**
 - **Section-A:**Pre-Reading Homework
 - Pre- read- Ch.- 9 Reproduction in Animals
 - Ch. - 10 Reaching the Age of Adolescence
- **Written Homework:**
 - **Section-B:**Chapter-wise Revision Assignments
 - **Section-C:** Creative Project/ Model
 - **Section-D:** Experiment based activity.
 - **Section-E:** Indian Scientists and their contribution (Any one Scientist)

4. Tools required for doing Homework:

- TextBook
- A₄Sheets
- Resources as per activity

5. Instruction/Guidelines for Reading Homework:

- **Section-A : Pre-Reading Homework**
 - Do the Pre-Reading of Chapter No.7 and Ch. 9
 - Write difficult words and their meaning in Sciencenotebook

6. Instruction/Guidelines for Written Homework:

- **Section-B :**Do the given Assignments on A4 size sheets.
- **Section-C :** Creative Project/ Models
 - Topic: Roll no 1 to 8 (**Agricultural practices- Preparation of soil, Sowing, Adding manure and Fertilizers**)
 - Resources required: Cardboard, Thermocole sheets, soil, plough toy, seeds, manure fertilizer.
 - Topic: Roll no 9 to 16 (**Methods of Irrigation**)
 - Resources required: Cardboard, Thermocole sheets, soil, Ice cream sticks, pipes, water, metal piece.
 - Topic: Roll no 17 to 24 (**Destructive Distillation of Coal**)
 - Resources required: Two hard glass test tubes, single-holed rubber stopper, double-holed rubber stopper, Bunsen burner, clamp with stand, delivery tubes and paraffin wax.

- Topic: Roll no 25 to 31 (**Types of microorganisms**)
 - Resources required: Cardboard, thermocole sheet, thermocole balls, paint, paper.
 - **Section-D-Experiment based activity.**
 - One activity which can be performed at home with parental supervision.
 - Name of the Activity: To observe the growth of two plants with manure and fertilizer respectively.
 - Material Required: Three pots, soil, seeds, manure, fertilizer.
 - Procedure: 1. Take moong or gram seeds and germinate them. Select three equal-sized seedlings out of these.
 - 2. Now take empty glasses or similar vessels.
 - 3. Mark them A, B, and C.
 - 4. To glass A add little cow dung manure.
 - 5. In glass B put the same amount of soil mixed with a little urea.
 - 6. Take the same amount of soil in glass C without adding anything.
 - 7. Now pour the same amount of water into each glass and plant the seedlings in them.
 - 8. Keep them in a safe place and water them daily.
 - 9. After 7 to 10 days observe their growth.
 - Observations: The seedlings planted in soil containing manure in pot A show better growth, and the seedlings in pot B which contains urea(fertilizer) show maximum and faster growth. But seedlings in pot C which contains only soil do not show better growth.
 - Conclusion:

 - Precautions:

- **Section-E- Indian Scientists and their contribution (Any1Scientist).**

Research on any one of the following Indian scientist and prepare a project on A4 size sheets and a collage by using their pictures.

 - **Scientists for Research:**
 - P Veeramuthuvel
 - OR
 - RituKaridhal
 - **Point to be required:**
 - Birth
 - Education
 - Branch in which they worked
 - Achievements

3. Marking scheme for Science homework: –

- | | |
|--|----------------|
| • Section-A : Pre-Reading HW | |
| ➤ Difficult words & their meanings in N.B. | 4 marks |
| • Section-B : Chapter wise Revision Assignments | 4 marks |
| • Section-C : Project/Model | 4 marks |
| • Section-D : Experiment Based Activity | 4 marks |
| • Section-E : Research on Indian Scientist | 4 marks |

Total marks of Science H.W.	<u>20 marks</u>
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4. Important Note:

- All students must submit their vacation Homework of All Subjects for Assessment by teacher on 1st July 2024 by all means. Five marks will be deducted for per day of delay after 1st July 2024.



R.E.D.Group of Schools

Chapter-wise Revision Assignment No.- 1

Class: 8th
Ch.No.:01

Subject:Science
Ch. Name: Crop Production and Management

For recapitulation & solving the assignment the students should refer to their MTG book of Science

Part-1 – for Vocabulary skills

Q.1. Define the following Key Terms:

- | | | | |
|--------------------|---------------------------|----------------------|-------------------|
| (i) Weeding | (ii) Threshing | (iii) Photosynthesis | (iv) Ploughing |
| (v) Levelling | (vi) Manuring | (vii) Winnowing | (viii) Pesticides |
| (ix) Hybridization | (x) Nitrogen Assimilation | | |

Part-2 – Reading skills

Q.2. Read the following Passage & answer the questions.

Weeds are unwanted plants that grow alongside the desired crop and removal of weeds from the crop field is called Weeding. Amaranthus, Chenopodium, Convolvulus, grass and wild old are common examples of weeds. The removal of weeds from field is accomplished by two ways: First, by manually pulling out the weeds with the help of trowel (khurpa) and second by using weedicides, that are sprayed in the field with the help of a sprayer. These chemicals restrict the growth of weeds however they do not affect the main crop. 2, 4- D, Dalapon, Metachlor and Siniazine are some common examples of weedicides.

(i) **Answer the following Questions from the passage: -**

- (A) What are the methods to remove weeds from the field?
- (B) Name any two weedicides.
- (C) Give any two examples of weeds.

Part-3 – Application skills of Subject Tools & Concepts

Q.3. Draw the Diagram/ Flow chart/Puzzle for the following Concepts

(i) Diagram:

a) Plough

(ii) Flowchart:

a) Basic Practices of Crop Production

Q.4. Solve the following Assertion-Reason/Statement based question

(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 and reason (R) is not the correct explanation of (A)

(c) Assertion (A) is true and Reason (R) is false

(d) Assertion (A) is false and Reason (R) is true.

(e) Both Assertion (A) and Reason(R) are false.

(i) Assertion(A): Time period of Rabi crop is November to April.

Reason(R):Rabi crop is dependent on winter season.

(ii) Assertion (A): Organism like rats, locusts that attack and damage crop are called pest.

Reason(R): Chemicals are sprayed on the crops to kill pest.

(iii) ASSERTION : The loosening of soil allow the roots to breathe easily.

REASON : The loosened soil helps in the growth of earthworms and microbes present in the soil. These organisms are friends of the farmer since they further turn and loosen the soil and add humus to it.

Q.5. Perform the following Lab. Activity at home and share the video of your activity to the Science PS Group and answer the following questions related to the activity

Activity: To separate healthy seeds for sowing.

Seeds play an important role in the growth of plants as well as in production of crops so clean and healthy seeds must be used. Healthy seeds are heavier than unhealthy seeds so healthy seeds sink at

the bottom while unhealthy one floats on water

- (i) Now take a beaker and fill half of it with water
- (ii) Put a handful of gram seeds in the beaker.
- (iii) Stir the water and leave the set up standing for some time.
- (iv) observe the seeds carefully.

*You will observe some seeds float on water while others sink and settle at the bottom.

Answer the questions given below:

- (a) Why do unhealthy seeds float on water?
- (b) Why are seeds sown at appropriate distance?
- (c) What precautions should be taken before sowing seeds?

Q.6. Answer the following Short Answer Type Questions

1. What types of animals are used for ploughing?
2. What are the factors required for the improvement of crops?
3. What is denitrification?
4. Differentiate between Rabi and Kharif crops.
5. What is crop rotation?
6. Roots of which plant bear nodules?
7. Why should grains be dried before storage?

Q.7. Answer the following Long Answer Type Questions

1. Explain the modern methods of irrigation.
2. Explain the two types of nitrogen fixation
3. Describe different stages of crop production.
4. Differentiate between Fertilizers and manure
5. What is nitrogen assimilation?
6. Which factors influence the crop production?
7. Define-
 - (ii) Genetic engineering
 - (iii) Plant Breeding
 - (iv) Inter cropping

Part-4 – Learning Homework

- **Learning Homework:** Learn Q. Ans. of Ch-1 From Text Book/Notebook.



R.E.D. Group of Schools

Chapter-wise Revision Assignment- 2

Class: 8th
Ch.No.:02

Subject: Science
Ch. Name: Microorganisms- Friend and Foe

For recapitulation & solving the assignment the students should refer to their MTG book of Science

Part-1 – for Vocabulary skills

Q.1. Define the following Key Terms:

- | | | | |
|------------------|---------------------|----------------|-----------------------|
| (i) Viruses | (ii) Microorganisms | (iii) Bacteria | (iv) Pathogens |
| (v) Antibodies | (vi) Fermentation | (vii) Carriers | (viii) Pasteurization |
| (ix) Antibiotics | (x) Ammonification | | |

Part-2 – Reading skills

Q.2. Read the following Passage & answer the questions.

Nitrogen is an essential element required for the growth of plants our atmosphere contains about 78% nitrogen. However, plants cannot use nitrogen from the atmosphere directly therefore it is important to convert nitrogen to products that can be utilised by the plants. This process of converting atmospheric nitrogen into usable nitrogen compounds like soluble nitrates and nitrites, is known as nitrogen fixation. When plants and animals die their dead bodies are decomposed by some decomposing bacteria that releases the fixed nitrogen back into the atmosphere again. The process which nitrogen is used by the plants and animals and then released back to the atmosphere is known as nitrogen cycle.

Answer the following Questions from the passage: -

- What is nitrogen cycle?
- What is nitrogen fixation?
- Name the bacteria used to convert atmospheric nitrogen into nitrates.

Part-3 – Application skills of Subject Tools & Concepts

Q.3. Draw the Diagram/ Flow chart/Puzzle for the following Concepts

Diagram:

- Nitrogen Cycle

Q.4. Solve the following Assertion-Reason/Statement based question

- Both assertion (A) and reason (R) are true and reason (R) is the correct explanation of assertion(A)
- Both assertion (A) and reason (R) are true and reason (R) is not the correct explanation of assertion (A)
- Assertion (A) is true and Reason (R) is false
- Assertion (A) is false and Reason (R) is true.
- Both Assertion (A) and Reason(R) are false.

(i) Assertion: Malaria, Dengue can be prevented by using mosquito net and mosquito repellent.

Reason: The causative organism spread through contaminated food and water.

ii) Assertion: Denitrification is conversion of nitrate salt into nitrogen gas.

Reason: Pseudomonas carries out denitrification in soil.

Q.5. Perform the following Lab. Activity at home and share the video of your activity to the Science PS Group and answer the following questions related to the activity

Aim: To show the process of fermentation.

In fermentation process yeast cells breakdown the sugar into alcohol and carbon dioxide gas.

Bubbles of carbon dioxide gas fill the gaps and as the gas rises up volume of the mixture increases.

- Now take two test tubes and mark them A and B.
- Place these test tubes in test tube stand and fill them half with water.
- Dissolve a spoonful of sugar in each of the test tubes.

- (iv) Add a teaspoon full of yeast in test to B.
- (v) Inflate the two balloon several times to stretch them out and tie the deflated and stretched balloons on the mouth of each test tube keep them in warm place. Watch the setup every day for next 3- 4 days and record your observations.
- (vi) Remove the balloon from test tube B and pass the gas of balloon in a test room containing lime water by placing on its mouth.
- (vii) Observe the change in colour of lime water it will turn milky.

Answer the questions given below:

- a) Which gas is evolved during fermentation process?
- b) What are the factors that influence fermentation?
- c) What is the main cause of fermentation?

Q.6. Answer the following Short Answer Type Questions

- 1. Give any four uses of microorganisms.
- 2. Name any two diseases and its causative microorganisms in cattle?
- 3. How communicable diseases occur and spread?
- 4. Name the bacteria that carry out the process of nitrification.
- 5. Why are algae called as plant like organism?
- 6. What do you mean by food poisoning?
- 8. Name any two symbiotic bacteria.

Q.7. Answer the following Long Answer Type Questions

- 1. Explain any 3 methods of food preservation.
- 2. Write in detail about the disease-causing microorganisms in plants.
- 3. Write a short note on fungi.
- 4. Differentiate between Vaccine and Antibiotics.
- 5. Complete the table given below:

Human disease	Pathogen	Mode of transmission	Preventive measures
(1) -----	Virus	Water	Keep patient in isolation
(2) Cholera	-----	-----	-----
(3) -----	Bacteria	-----	-----
(4) -----	-----	Mosquito	-----

Part-4 – Learning Homework

- **Learning Homework:** Learn Q. Ans. of Ch-2 From Text Book/Notebook.



R.E.D. Group of Schools

Chapter-wise Revision Assignment- 3

Class:8th
Ch.No.: 5

Subject:Science
Ch. Name:Coal and Petroleum

For recapitulation & solving the assignment the students should refer to their MTG book of Science

Part-1 – for Vocabulary skills

Q.1. Define the following Key Terms:

- | | | |
|---------------------|----------------------|------------------|
| (i) Renewable | (ii) Non-Renewable | (iii) Coke |
| (iv) Fossil Fuels | (v) CNG | (vi) Exhaustible |
| (vii) Inexhaustible | (viii) Carbonisation | (ix) Coal tar |
| (x) Petrochemicals | | |

Part-2 – Reading skills

Q.2. Read the following Passage & answer the questions.

Natural gas is also a fossil fuel like coal and petroleum. It consists of mainly methane with small quantities of ethane and propane. It is colourless and odourless gas and is composed of several gases out of which 95% is Methane. It contains trace amounts of water, ethane, butane and propane as well as minor amount of nitrogen, carbon dioxide and hydrogen sulphide. It occurs deep under the crust of the Earth. India has a vast Reserve of the natural gas. It has been found in Tripura, Rajasthan, Maharashtra and the Krishna -Godavari delta.

(i) Answer the following Questions from the passage:-

- (A) What are the composition of natural gas?
(B) Name the states in India where are natural gas found.
(C) What do you mean by natural gas?

Part-3 – Application skills of Subject Tools & Concepts

Q.3. Draw the Diagram/ Flow chart/Puzzle for the following Concepts

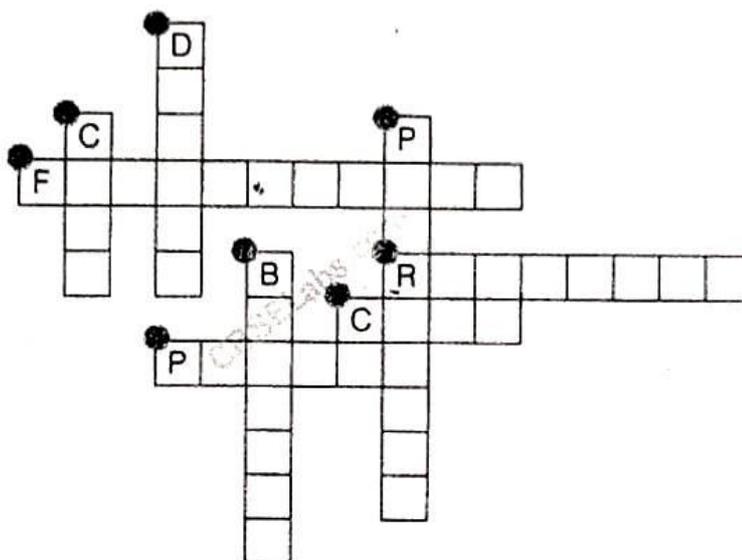
Diagram:

- a) Constituents of petroleum
b) Petroleum refinery

Flowchart:

- a) Flow chart showing products of coal

Puzzle:



Across

1. Fuels obtained from dead remains of living organisms. (6, 5)
2. A process by which the various constituents of petroleum are separated. (8)
3. A porous black substance obtained from coal. (4)
4. Another name for motor fuel. (6)

Down

5. The substance obtained by carbonisation. (4)
6. Fuel for heavy motor vehicles. (6)
7. A petroleum product used for road surfacing. (7)
8. Dead remains of sea animals got converted into it. (9)

Q.4. Solve the following Assertion-Reason/Statement based question

(i)Assertion (A): Coal is a fossil fuel.

Reason(R): It is formed due to compression of inorganic material over millions of years.

(ii)Sunlight and air are inexhaustible resources.

Reason(R): These resources are present in unlimited quantities in nature and are not likely to be exhausted by human activities.

Q.5. Perform the following Lab. Activity at home and share the video of your activity to the Science PS Group and answer the following questions related to the activity

Activity

Destructive distillation is the process of heating coal in the absence of air. In this process coal doesn't burn produces many by products. The main by products are coke, coal tar and coal gas.

- (i) Put some finely powdered coal in a test tube made up of hard glass.
- (ii) Place a single holed rubber stopper and a glass tube in the above the test tube.
- (iii) Take another test tube containing water and place a double holed stopper on it.
- (iv) Heat the test tube containing powdered coal using a bunsen burner and observe the changes.

Observation-

- *Black coloured coal tar settled at the bottom of the test tube by condensation of vapours.
- *Uncondensed vapours come out from the open delivery tube this can be burnt by using a matchstick. This gas is called coal gas.
- *The black residue left behind in the hard glass tube is coke.
- *Ammonia gas dissolved in water is known as ammoniacal liquor.

- a) What is distillation?
- b) Write products obtained from distillation of oil.
- c) Define coal.
- d) Write one use of coke.

Q.6. Answer the following Short Answer Type Questions

1. Why should we use fossil fuels only when absolutely necessary?
2. Where is natural gas found? Why is natural gas called a clean fuel?
3. What do you mean by coal tar?
4. Write the various tips for minimizing the wastage of petrol /diesel while driving vehicles.
5. What happens when coal is burnt in air?
6. Explain the process of destructive distillation.

Q.7. Answer the following Long Answer Type Questions

1. i) What is petroleum? Where does petroleum occurs?
ii) Describe the process of formation of petroleum.
2. List the steps to conserve the resources.
3. i) What are petrochemicals? Name any two petrochemicals.
ii) Why are petrochemicals so important?
4. Explain the process of the formation of coal? Write some uses of coal.

5. Give reason why LPG is a better fuel than coal.

6. Why does the process of fractional distillation is followed in refining of crude oil?

Part-4 – Learning Homework

- **Learning Homework:** Learn Q. Ans. of Ch- 5 From Text Book/Notebook.



R.E.D. Group of Schools
Chapter-wise Revision Assignment - 4

Class: 8th
Ch.No.: 6

Subject: Science
Ch. Name: Combustion and Flame

For recapitulation & solving the assignment the students should refer to their MTG book of Science

Part-1 – for Vocabulary skills

Q.1. Define the following Key Terms:

- | | | |
|-----------------|--------------------------|------------------|
| (i) Combustion | (ii) Global warming | (iii) Fuel |
| (iv) Ignition | (v) Non-combustible | (vi) Temperature |
| (vii) Explosive | (viii) Fire extinguisher | (ix) Luminous |
| (x) Calorific | | |

Part-2 – Reading skills

Q.2. Read the following Passage & answer the questions.

The air that we breathe today is more polluted than it was before. More factories more vehicles greater use of aerosols and sprays, increasing number of refrigerators and air conditioners that release CFC gases, have all contributed toward pollution. When certain chemicals from the smoke and fumes rise up into the air they mix with the water vapour in the clouds and make it acidic. When rain or snow falls from such polluted clouds, it is also acidic in nature. This acidic rain falls on the leaves of trees, on the fertile soil and also runs into lakes and rivers. The effects of the rain are disastrous. Trees slowly lose their leaves and die. Fertile soil turns acidic and damages the plants and crops. The fish and animals living in lakes or seas are killed. Even our drinking water can be affected. Many forests all over the world have suffered severe damage on account of acid rains. Before it is too late, we must try and put a stop to the millions of vehicles and chimneys pouring harmful fumes into the air.

(i) Answer the following Questions from the passage:-

- (A) How carbon dioxide is responsible for global warming?
(B) Which gas is released by the incomplete combustion of fuels?
(C) Name the gases responsible for acid rain.

Part-3 – Application skills of Subject Tools & Concepts

Q.3. Draw the Diagram/ Flow chart/Puzzle for the following Concepts

Diagram:

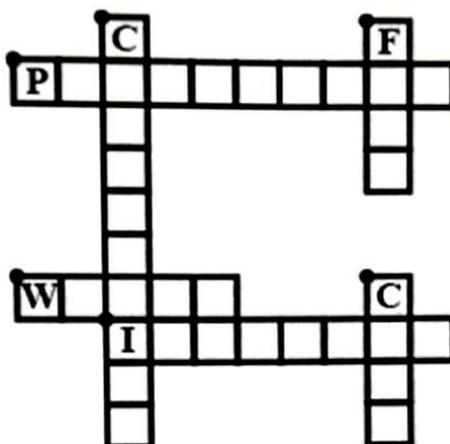
- a) Structure of flame
b) Table of calorific value

Flowchart:

- a) Flow chart of types of combustion

Puzzle:

Complete the crossword Figure with the help of the clues:



Across

1. Non-metal which catches fire if exposed to air (10)
3. The lowest temperature at which a substance catches fire is called its _____ (8)
5. The most common fire extinguisher. (5)

Down-

2. A chemical process in which a substance reacts with oxygen to give off heat. (10)
4. Petrol is used as _____ in automobiles. (4)
6. It is as hard as stone and black in color. (4)

Q.4. Solve the following Assertion-Reason/Statement based question

(i) Assertion :In case of burning, air and moisture are necessary. Reason: Oxygen is a supporter of combustion.

- a)Both Assertion and Reason are correct and Reason is the correct explanation for Assertion
- b) Both Assertion and Reason are correct but Reason is not the correct explanation for Assertion
- c) Assertion is correct but Reason is incorrect
- d) Assertion is incorrect but reason is correct

(ii)Assertion : White phosphorus undergoes spontaneous combustion while paper undergoes complete combustion.

Reason : Burning of paper leaves a lot of soot and ash behind.

Q.5. Perform the following Lab. Activity at home and share the video of your activity to the Science PS Group and answer the following questions related to the activity

Activity

To show that air is supporter of combustion.Ignition temperature is necessary for combustion. Glass jar, two candles, matchsticks are required for this experiment. Burn both candles with the help of matchsticks. Cover the candle A burning candle with the glass jar and left the candle Bcandle uncovered and notice the phenomenon. We will observe that the covered candle is no longer burning due to unavailability of air in the glass jar while the uncovered candle continues to burn. Air is necessary for combustion as it provides oxygen which is essential for burning.

- a) Which gas is required for combustion?
- b) Which of the following candle burn for long time?

Q.6. Answer the following Short Answer Type Questions

1. Write and explain the classification of fuel.
2. What is the efficiency of fuel? Write its formula.
- 3.Give two examples each of solid fuels, liquid fuels and gaseous fuels.
- 4.What is global warming?
- 5.What is spontaneous combustion?
6. Enlist the hazards caused from the burning of fossil fuels.

Q.7. Answer the following Long Answer Type Questions

1. L.P.G is better domestic fuel than wood. Why?
2. Explain the different types of combustion.
 - 3.How does the foam type fire extinguisher work?
 - 4.a)What is a fuel ?
 - b) Define calorific value of a fuel.
 - c) Give the characteristics of a good fuel.
- 5.Give reasons.
 - a) Water is not used to control fires involving electrical equipment.
 - b) Paper by itself catches fire easily whereas a piece of paper wrapped around analuminum pipe does not.
 - c) Crackers follow explosive combustion but not L.P.G.

Part-4 – Learning Homework

- **Learning Homework:** Learn Q. Ans. of Ch- 6 From Text Book/Notebook.



R.E.D. Group of Schools

Chapter-wise Revision Assignment No.-5

Class: 8th
Ch.No.: 1, 2, 5, 6, 7

Subject: Science
Ch. Name: *Crop Production and Management
* Microorganisms: Friends and Foe
* Coal and Petroleum
* Combustion and Flame
* Conservation of Plants and Animals

For recapitulation & solving the assignment the students should refer to their MTG book of Science

Part-1 – for Vocabulary skills

Q.1. Define the following Key Terms:

- | | | |
|----------------------|------------------|------------------------|
| (i) Rapid combustion | (ii) Pseudomonas | (iii) Fuel efficiency |
| (iv) Rhizobium | (v) Hoe | (vi) Tilling |
| (vii) Carbonization | (viii) Coal Gas | (ix) Non Luminous Zone |
| (x) Nitrosomonas | | |

Part-2 – Reading skills

Q.2. Read the following Passage & answer the questions.

When plants of the same kind are cultivated at one place on a large scale, it is called a crop. For example, crop of wheat means that all the plants grown in a field are that of wheat. You already know that crops are of different types like cereals, vegetables and fruits. These can be classified on the basis of the season in which they grow. India is a vast country. The climatic conditions like temperature, humidity and rainfall vary from one region to another. Accordingly, there is a rich variety of crops grown in different parts of the country. Despite this diversity, two broad cropping patterns can be identified. These are: (i) Kharif Crops: The crops which are sown in the rainy season are called kharif crops. The rainy season in India is generally from June to September. Paddy, maize, soyabean, groundnut and cotton are Kharif crops. (ii) Rabi Crops: The crops grown in the winter season (October to March) are called Rabi crops.

(i) Answer the following Questions from the passage:-

- (A) What do you understand by the term "Crop"?
- (B) What are Rabi Crops?
- (C) Enlist any two examples of Rabi and Kharif crops each.

Part-3 – Application skills of Subject Tools & Concepts

Q.3. Draw the Diagram/ Flow chart/Puzzle for the following Concepts

Diagram:

- a) Plough
- b) Table of diseases causing microorganisms in animals.

Flowchart:

- a) Flow chart of products of destructive distillation of coal.
- b) Flow chart of consequences of deforestation.

Q.4. Solve the following Assertion-Reason/Statement based question

(i) Assertion: Organism like rats, locusts that attack and damage crop are called pest.
Reason: Chemicals are sprayed on the crops to kill pest.

(ii) Assertion: Organism like rats, locusts that attack and damage crop are called pest.
Reason: Chemicals are sprayed on the crops to kill pest.

(iii) Assertion- endemic species of plants and animals are found easily
Reason- Indian giant squirrel and flying squirrel are endemic species.

a) Both Assertion and Reason are correct and Reason is the correct explanation for Assertion

- b) Both Assertion and Reason are correct but Reason is not the correct explanation for Assertion
- c) Assertion is correct but Reason is incorrect
- d) Assertion is incorrect but reason is correct

Q.5. Perform the following Lab. Activity at home and share the video of your activity to the Science PS Group and answer the following questions related to the activity

Activity

To show that air is supporter of combustion. Ignition temperature is necessary for combustion. Glass jar, two candles, matchsticks are required for this experiment. Burn both candles with the help of matchsticks. Cover the candle A burning candle with the glass jar and left the candle B candle uncovered and notice the phenomenon. We will observe that the covered candle is no longer burning due to unavailability of air in the glass jar while the uncovered candle continues to burn. Air is necessary for combustion as it provides oxygen which is essential for burning.

- a) Which gas is required for combustion?
- b) Which of the following candle burn for longtime?

Q.6. Answer the following Short Answer Type Questions

1. Write the methods for preservation of food.
2. How does levelling of soil help in preventing soil erosion?
3. Differentiate between types of combustion.
4. What is clostridium?
5. What are petrochemicals?
6. Give names of endemic fauna of Panchmarhi Biosphere Resesrve.
7. What are the animals facing the danger of extinction?

Q.7. Answer the following Long Answer Type Questions

1. C. N. G is known as green gas, why?
2. Explain nitrogen cycle with the help of diagram.
3. How does the foam type fire extinguisher work?
4. Define:
 - a) Broadcasting
 - b) Ideal fuel
 - c) Destructive distillation
5. Give reasons.
 - a) Dry wood will be burnt easily in comparison of wet wood.
 - b) Innermost zone of candle flame is called dark zone.
6. What is migration? Why animals migrate?

Part-4 – Learning Homework

- **Learning Homework:** Learn Q. Ans. of Ch-1, 2, 5, 6, 7 From Text Book/Notebook.



Summer Holidays Homework

SESSION: 2024-25

CLASS – 8th

Subject: Social Sci.
Class- 8th

Text Book: 1. Resource and Development
2. Social and Political Life
3. Our Past-III

1. Syllabus Covered upto MAY END

- Chapter No.-1 (Geo) Chapter Name-Resources
- Chapter No.-2 (Geo) Chapter Name-Land, Soil, Water, Natural Vegetation and Wildlife
- Chapter No.-1 (His) Chapter Name- Introduction - How, When and Where?
- Chapter No.-2 (His). Chapter Name-From Trade to Territory
- Chapter No.-1 (Civ.) Chapter Name- The Indian Constitution

2. List of all new concepts taught upto MAY END

- Types of Resources
- Renewable and Non Renewable resources
- Sustainable development
- Biosphere
- Natural Vegetation and Wildlife
- Factor affecting soil formation
- Key feature of Indian Constitution
- Fundamental Rights of Indian Constitution
- End of Mughals rule
- The battle of Plassey
- British power

3. Summer Holiday Homework:

- **Reading Homework:**
 - **Section – A:** Pre-Reading of Next Two Chapters
- **Written Homework:**
 - **Section – B:** Chapter-wise Revision Assignments
 - **Section – C:** Current Affairs Project
 - **Section – D:** Creative Project/ Working Model
 - **Section – E:** Chart Work

4. Tools required for doing Homework:

- Text Book
- A₄Sheets
- Resources as per activity

5. Instruction/Guidelines for Reading Homework:

- **Section – A: Pre-Reading Homework**
 - Do the Pre-Reading of
Chapter No. 3. Ruling the Countryside (His.)
Chapter No. 4. Tribals, Dikus and the Vision of a Golden Age (His)
 - Write difficult words and their meaning in Social Science notebook

6. Instruction/Guidelines for Written Homework

- **Section – B:** Do the given Assignments on A4 size sheets.
- **Section – C: Current Affairs Project:**

- Collecting current news of five National, five International and five Sports of Month June

○ **Section – D: Creative Project/ Models**

- Topic: Roll no 1 to 8 (Make a Project on renewable and non-renewable resources on chart with drawing)
Material Required: Pencil, colours, chart, Text book etc.
- Topic: Roll no 9 to 16 (Make a Project on Soil profile, showing various layers of soil)
Material Required: Grass, gum, sand stones, paper box or Jar, colours, pencil, coloured etc
- Topic: Roll no 17 to 24 (Make a Project on Parliament by making a model, showing both houses)
Material Required: Text book, Pencil, chart, colour etc)
- Topic: Roll no 25 to 31 (Make a Project on Mughal Era showing various sultans with their period of rule)
Material Required: Text book, chart, pencil, colours etc

7. Marking scheme for Social Science homework: –

- **Section-A : Pre-Reading HW**
 - Difficult words & their meanings on A4 sheet **4 marks**
- **Section-B : Chapter wise Revision Assignments** **4 marks**
- **Section-C : Project on Current Affairs** **4 marks**
- **Section-D : Creative Project/Working Model** **4 marks**
- **Section-E : Chart** **4 marks**

Total marks of Social Science H.W. 20 marks

8. Important Note:

All students must submit their vacation Homework of All Subjects for Assessment by teacher on 1st July 2024 by all means. Five marks will be deducted for per day of delay after 1st July 2024.



R.E.D. Group of Schools

Chapter-wise Revision Assignment- 1

Class:8th
Ch. No.: 1(His)

Subject: Social Science
Ch. Name: How When and Where

Part-1 – for Vocabulary skills

Q.1. Define the following Key Terms:

- | | | |
|----------------|-----------------------|----------------------|
| (i) Movement. | (ii) Intolerance | (iii) Archaeological |
| (iv) Historian | (v) Democracy | (vi) Government |
| (vii) Governor | (viii) Administration | (ix) Survey |
| (x) Capture | | |

Part-2 – Reading skills

Q.2. Read the following passage & answer the questions.

In the villages, revenue surveys were conducted. The effort was to know the topography, the soil quality, the flora, the fauna, the local histories, and the cropping pattern - all the facts seen as necessary to know about to administer the region. From the end of the nineteenth century, Census operations were held every ten years. These prepared detailed records of the number of people in all the provinces of India, noting information on castes, religions and occupation. There were many other surveys - botanical surveys, zoological surveys, archaeological surveys, anthropological surveys, forest surveys.

Answer the following Questions from the passage:-

- (A) Where did revenue surveys were conducted?
- (B) Why was revenue surveys conducted?
- (C) Which type of records came under census?

Part-3 – Application skills of Subject Tools & Concepts

Q.3. Solve the following questions based on diagram :

- a) Make a diagram showing historical periodization of India by James Mill.
- b) Make a diagram on caste hierarchy system in Hinduism.

Q.4. Solve the following Assertion-Reason/Statement based question

- a) Both assertion and reason are true and reason is the correct explanation of assertion
 - b) Both assertion and reason are true but reason is not correct
 - c) Assertion is true but reason is false
 - d) Assertion is false but reason is true
- (i) **Assertion:** In 1817 James Mill published a massive three volume work
Reason: He divided Indian history into three period - Hindu, Muslim and British.
 - (ii). **Assertion:** In the villages, revenue surveys were conducted.
Reason: The effort was to know the topography, the soil quality, the flora, the fauna, the local histories.

Q.5. Analyze the given picture & describe it in your own words



Q.6. Answer the following Short Answer Type Questions

1. What is the Botanical survey of India?
2. Why do we associate History with dated?
3. Define colonial
4. Who prepared the first map and when?
5. Who was James Mill?

Q.7. Answer the following Long Answer Type Questions

1. How did the British conquer India and establish their rule?
2. Why were the survey carried out under the British rule in India?
3. British use to preserve the official document.Discuss
4. What is the problem with the periodization of Indian history that James Mill offers?
5. Describe the rebels of 1857.

Part-4 – Learning Homework

- **Learning Homework:** Learn Q. Ans. of Ch- 1 (History) From Text Book/Notebook.



R.E.D. Group of Schools

Chapter-wise Revision Assignment- 2

Class:8th
Ch. No.: 2(His)

Subject: Social Science
Ch. Name: From trade to territory

Part-1 – for Vocabulary skills

Q.1. Define the following Key Terms:

- | | | |
|------------------|-------------|-------------------|
| (i) Sawar | (ii) Mufti | (iii) Confederacy |
| (iv) Musket | (v) Puppet | (vi) Impeachment |
| (vii) Mercantile | (viii) Qazi | (ix) Farman |
| (x) Territory | | |

Part-2 – Reading skills

Q.2. Read the following passage & answer the questions.

The first English factory was set up on the banks of the river Hugli in 1651. This was the base from which the Company's traders, known at that time as "factors", operated. The factory had a warehouse where goods for export were stored, and it had offices where Company officials sat. As trade expanded, the Company persuaded merchants and traders to come and settle near the factory. By 1696, it began building a fort around the settlement.

Two years later, it bribed Mughal officials into giving the Company zamindari rights over three villages. One of these was Kalikata, which later grew into the city of Calcutta or Kolkata as it is known today. It also persuaded the Mughal emperor Aurangzeb to issue a farman granting the Company the right to trade duty free.

Answer the following questions from the passage:-

- (A) Where was the first English factory was set up ?
(B) The English factory was stored with ?
(C) What do you mean by farman ?

Part-3 – Application skills of Subject Tools & Concepts

Q.3. Solve the following questions based on Maps or Diagram or Graphs given below

Map: Locate and label the following on the map of India

- a) Bengal
b) Sri Rangapatna

Q.4. Solve the following Assertion-Reason/Statement based question

- e) Both assertion and reason are true and reason is the correct explanation of assertion
f) Both assertion and reason are true but reason is not correct
g) Assertion is true but reason is false
h) Assertion is false but reason is true

(i) Assertion: Sirajuddaulah was defeated in battle of plassey in 1757

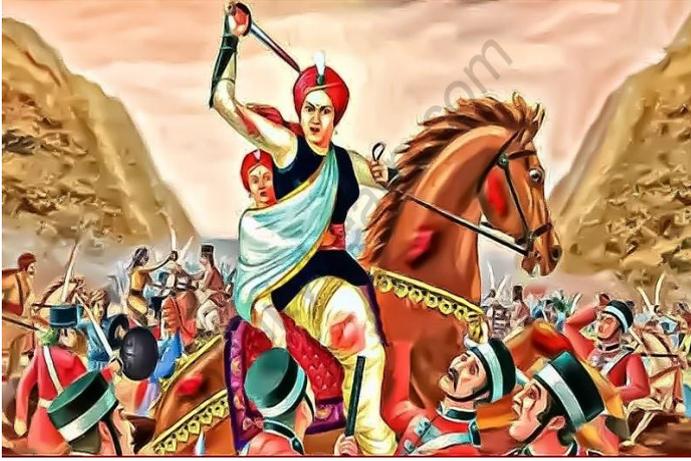
Reason: The forces led by Mir jafar one of the Sirajuddaulah's commander never fought the

battle.

(ii) Assertion: people themselves are the most important resource.

Reason: People got ideas, invention and discovery that led to the creation of more resource

Q.5. Analyze the given picture & describe it in your own words



Q.6. Answer the following Short Answer Type Questions

6. Why did the company want a puppet ruler?
7. Discuss why British were attracted to India for trading.
8. Battle of Plassey was fought between whom?
9. Who was the ruler of England in 1600?
10. What was the policy of paramountcy?

Q.7. Answer the following Long Answer Type Questions

6. How did the East India Company begin trade in Bengal?
7. What was the subsidiary alliance system ?
8. What happen after the Bengal was conquered by the British
9. Explain Doctrine of Lapse.
10. Give a brief description on Anglo Mysore war

Part-4 – Learning Homework

- **Learning Homework:** Learn Q. Ans. of Ch-2 of History From Text Book/Notebook.



R.E.D. Group of Schools

Chapter-wise Revision Assignment- 3

Class: 8th
Ch. No. 1 (Geo)

Subject: Social Science
Ch. Name: Resources

Part-1 – for Vocabulary skills

Q.1. Define the following Key Terms:

- | | | |
|-----------------------|-------------------|--------------------|
| (i) Abiotic Resources | (ii) Utility | (iii) Conservation |
| (iv) Substances | (v) Environmental | (vi) Minerals |
| (vii) Replenished | (viii) Technology | (ix) Sustainable |
| (x) Diversity | | |

Part-2 – Reading skills

Q.2. Read the following passage & answer the questions.

Resources that are drawn from Nature and used without much modification are called natural resources. The air we breathe, the water in our rivers and lakes, the soils, minerals are all natural resources. Many of these resources are free gifts of nature and can be used directly. In some cases tools and technology may be needed to use a natural resource in the best possible way. Natural resources can be broadly categorised into renewable and non-renewable resources. Renewable resources are those which get renewed or replenished quickly. Some of these are unlimited and are not affected by human activities, such as solar and wind energy. Yet careless use of certain renewable resources like water, soil and forest can affect their stock. Water seems to be an unlimited renewable resource. But shortage and drying up of natural water sources is a major problem in many parts of the world today.

Answer the following Questions from the passage:-

- (A) What are called natural resources?
(B) How the natural resources can be categorized?
(C) What is the major problem of the world today?

Part-3 – Application skills of Subject Tools & Concepts

Q.3. Solve the following questions based on Maps or Diagram or Graphs given below

Maps: Locate and label the following places on the map of India

- a) Chhattisgarh
b) Bihar

Diagram:

- a) Make a diagram on classification of Natural Resources.

Graph:

- a) Make Graph related to Resources and their classification

Q.4. Solve the following Assertion-Reason/Statement based question

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

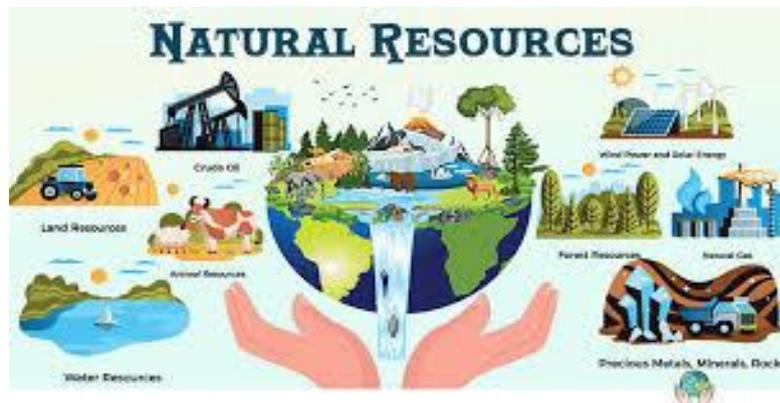
(i) Assertion (A)- Human resource is necessary for the progress of any country.

Reason (R): Investment in education and health of people can result in a high rate of returns in the future for a country.

(ii) Assertion (A)- Development of human resources does not leads to the development of society

Reason (R)- It does not enhances the ability to contribute to the creation of the Gross National Product.

Q.5. Analyze the given picture & describe it in your own words



Q.6. Answer the following Short Answer Type Questions

11. Why are human resources important?
12. What is resource development?
13. Why are resources distributed unequally over the earth?
14. What is sustainable development?
15. Why are human resources important?

Q.7. Answer the following Long Answer Type Questions

11. Describe how resources are classified.
12. Why are human beings resources?
13. Explain the terms of resource conservation.
14. Differentiate between natural resources and human made resources.
15. Differentiate between potential and actual resources.

Part-4 – Learning Homework

- **Learning Homework:** Learn Q. Ans. of Ch-1(Geo) 1 to 2 From Text Book/Notebook.



R.E.D. Group of Schools

Chapter-wise Revision Assignment- 4

Class: 8th
Ch. No. 2 (Geo)

Subject: Social Science
**Ch. Name: Land, Soil, Water,
Natural Vegetation and Wildlife
Resources**

Part-1 – for Vocabulary skills

Q.1. Define the following Key Terms:

- | | | |
|---------------------|---------------------|----------------------|
| (i) Populated | (ii) Industries | (iii) Community |
| (iv) Commercial | (v) Degradation | (vi) Common Property |
| (vii) Afforestation | (viii) Conservation | (ix) Erosion |
| (x) Sanctuaries | | |

Part-2 – Reading skills

Q.2. Read the following passage & answer the questions.

Water is a vital renewable natural resource. Three fourth's of the earth's surface is covered with water. It is therefore appropriately called the 'water planet'. It was in the primitive oceans that life began almost 3.5 billion years back. Even today, the oceans cover two-thirds of the earth's surface and support a rich variety of plant and animal life. The ocean water is however saline and not fit for human consumption. Fresh water accounts for only about 2.7 per cent. Nearly 70 per cent of this occurs as ice sheets and glaciers in Antarctica, Greenland and mountain regions. Due to their location they are inaccessible. Only 1 per cent of freshwater is available and fit for human use. It is found as ground water, as surface water in rivers and lakes and as water vapor in the atmosphere.

Answer the following Questions from the passage:-

- (A) Why Earth is called as a 'Water Planet'?
- (B) How much water of the total is useable? Where its most of the part occurs?
- (C) How ocean is important for ecosystem?

Part-3 – Application skills of Subject Tools & Concepts

Q.3. Solve the following questions based on Maps or Diagram or Graphs given below

Maps: Locate and label the following places on the map of India

- a) Jim Corbett National Park
- b) Sultanpur National Park

Diagram:

- a) Make a diagram on Factors affecting soil formation. (Pg. 11)

Graph:

- a) Make Graph of water consumption in urban areas (Pg-14)

Q.4. Solve the following Assertion-Reason/Statement based question

- i) Both assertion and reason are true and reason is the correct explanation of assertion
- j) Both assertion and reason are true but reason is not correct
- k) Assertion is true but reason is false
- l) Assertion is false but reason is true

(i) Assertion (A)- Human resource is necessary for the progress of any country.

Reason (R): Investment in education and health of people can result in a high rate of returns in the future for a country.

(ii) **Assertion (A)- Land degradation, landslides, soil erosion, desertification are the major threats to the environment**

Reason (R)- People started encroaching the common lands to build up commercial areas, housing complexes in the urban areas and to expand the agricultural land in the rural areas.

Q.5. Analyze the given picture & describe it in your own words



Q.6. Answer the following Short Answer Type Questions

16. How does land fulfill our needs??
17. What are the methods that can be adapted to contain landslides??
18. What are the factors that aid soil formation?
19. What are the causes for the destruction of natural vegetation and wildlife?
20. How is water an important resource??

Q.7. Answer the following Long Answer Type Questions

16. What is the conservation of water resources?
17. Write a short note on wildlife. Explain the terms to conserve wild life.
18. What are the major types of vegetation in the world? Describe vegetation in different rainfall conditions.
19. What are the threats to natural vegetation and wildlife?
20. Why is wildlife important to us?

Part-4 – Learning Homework

- **Learning Homework:** Learn Q. Ans. of Ch-2(Geo) 1 to 4 From Text Book/Notebook.



Summer Holidays Homework

SESSION: 2024-25

CLASS – 8th

Subject: Computer Science

Text Book: Touchpad

1. Syllabus Covered upto MAY END

- Chapter No.- 1 Computer Networking
- Chapter No.- 2 Introduction to Adobe Photoshop CC

2. List of all new concepts taught upto MAY END

- Computer Networking
- Need for Computer Networking
- Advantage of Computer Network
- Components of a Network
- Network Terminologies
- Devices require for a network
- Types of Network
- Topology
- Network Architecture
- Wireless Networking Technology
- Protocol
- Introduction to Adobe Photoshop CC
- Features of Adobe Photoshop CC
- Opening Adobe Photoshop CC 2018
- Creating a New Document
- Adobe Photoshop CC 2018 Interface
- Opening an Image in Photoshop
- Placing an image in an existing document
- Tools in Photoshop

3. Summer Holiday Homework:

- **Reading Homework:**
 - Section - A: Pre-Reading of Next One Chapters
- **Written Homework:**
 - Section – B: Chapter-wise Revision Assignments
 - Section – C: Creative Project/ Model

4. Tools required for doing Homework:

- TextBook
- A4Sheets
- Resources as per project

5. Instruction/Guidelines for Reading Homework:

- **Section–A : Pre-Reading Homework**
 - Do the Pre-Reading of Chapter No. 3 (Page No. 45 – 59)
 - Write all the difficult words & their meanings of above chapters in Computer Science N.B.

6. Instruction/Guidelines for Written Homework:

- **Section–B :** Do the given Assignment on A4 sheets.
- **Section–C : Creative Project/ Models**
 - Topic: Roll no 1 to 8 (Bus Topology)
 - Topic: Roll no 9 to 16 (Tree Topology)
 - Topic: Roll no 17 to 24 (Star Topology)
 - Topic: Roll no 25 to 31 (Wide Area Network)
 - Topic: Roll no 32 and Above (Client-Server Network Architecture)

7. Marking scheme for Computer Science homework: –

- **Section-A : Pre-Reading HW**
 - Difficult words & their meanings in Sub. NB **6 marks**
- **Section-B : Chapter wise Revision Assignments** **7 marks**
- **Section-C : Creative Project/Working Model** **7 marks**

Total marks of Computer Science H.W. 20 marks

8. Important Note:

- All students must submit their vacation Homework of All Subjects for Assessment by teacher on 1st July 2024 by all means. Five marks will be deducted for per day of delay after 1st July 2024.



R.E.D. Group of Schools

Chapter-wise Revision Assignment

Class-8th
Ch. No. : 1

Subject: Computer Science
Ch. Name: Computer Networking

Part-1 – for Vocabulary skills

Q.1. Define the following Key Terms:

- (i) Computer Networking
- (ii) Server
- (iii) Client
- (iv) NIC
- (v) Internet
- (vi) URL
- (vii) Intranet
- (viii) ISP
- (ix) IP Address
- (x) DNS

Part-2 – Reading skills

Q.2. Read the following Passage from the Chapter & answer the questions.

Passage

The capability of a transmission medium to transmit the maximum amount of data from one computer to another over a computer network in a given amount of time is called bandwidth. A bandwidth is generally in bits per second (bps) or Bytes per second (Bps), Kilobytes per second (Kbps) and Megabytes per second (Mbps). There can be various types of bandwidths which are network bandwidth, data bandwidth, or digital bandwidth.

Answer the following Questions from the passage:-

(A) What is the full form of KBPS?

Ans : _____

(B) What are the types of bandwidth?

Ans: _____

(C) What is bandwidth ?

Ans: _____

Part-3 – Application skills of Subject Tools & Concepts

Q.3. Draw the Diagram/Picture/ Flow chart /Puzzles for the following Concepts

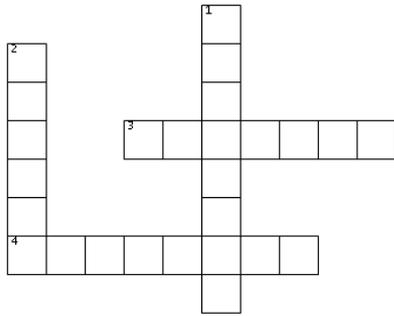
Diagram/Picture:

- a) Draw the diagram of LAN.
- b) Draw the diagram of Mesh Topology.

Flowchart:

- a) Make Client – Server architecture.

Puzzle:



ACROSS

3. A Group of interconnected computer systems.
4. The Geometric arrangement of computers or noted in a network.

DOWN

1. A set of rules that governs the communication between the computer on a network
2. A computer which depends on the server for all the resources

Q.4. (i) Solve the following Assertion-Reason/Statement based question.

Assertion (A): Server is also called host computer.

Reason(R): Dedicated server is a type of server.

- Both Assertion (A) and Reason (R) are true and Reason (R) is a correct explanation of Assertion (A).
- Both Assertion (A) and Reason (R) are true but Reason (R) is not a correct explanation of Assertion (A).
- Assertion (A) is true and Reason (R) is false.
- Assertion (A) is false and Reason (R) is true.

ii) Solve the following Assertion /Reasoning based questions

Assertion (A): Bluetooth is a technology that enables wireless communication.

Reason(R): Wi-Fi is the most popular wireless communication technology used for homes.

- Both Assertion (A) and Reason (R) are true and Reason (R) is a correct explanation of Assertion (A).
- Both Assertion (A) and Reason (R) are true but Reason (R) is not a correct explanation of Assertion (A).
- Assertion (A) is true and Reason (R) is false.
- Assertion (A) is false and Reason (R) is true.

Q.5. Write the Shortcut Key of following terms/abbreviations:

- To save a file:
- Undo:

Q.6. Answer the following Short Answer Type Questions

- What is webpage?
- What is hyperlink?
- What is link?
- What is hypertext?
- What is bandwidth?

Q.7. Answer the following Long Answer Type Questions

- What is Wi-Fi?
- What is Protocol?
- What is Bluetooth?
- What is Gateway?
- What is topology?

Part-4 – Learning Homework

- Learning Homework:** Learn Q. Ans. of ch.1 From Text Book/Notebook



R.E.D. Group of Schools

Chapter-wise Revision Assignment

Class-8th
Ch. No.: 2

Subject: Computer Science
Ch. Name: Intro. to Adobe Photoshop CC

Part-1 – for Vocabulary skills

Q.1. Define the following Key Terms:

- | | | |
|----------------|---|-------|
| a) Pixel | - | _____ |
| b) Spectacular | - | _____ |
| c) Resolution | - | _____ |
| d) Layer | - | _____ |
| e) Distorting | - | _____ |
| f) Marquee | - | _____ |
| g) Perspective | - | _____ |
| h) Exported | - | _____ |
| i) Horizontal | - | _____ |
| j) Rasterizing | - | _____ |

Part-2 – Reading skills

Q.2. Read the following Passage from the Chapter & answer the questions.

Passage

It is difficult to edit an image with software like Paint. This is where the role of Adobe Photoshop comes. You can transform an ordinary image into a spectacular graphic image with the help of Photoshop. You can crop, resize, edit the color patterns, form collages, make flyers and images for print as well as for posting on the web. Adobe Photoshop CC is a graphics designing software which creates a virtual studio for artists and designers. It is used by graphics designers, professional photographers and independent users to edit designs as well as create and manipulate images. Photoshop was originally created in 1988 by two brothers, Thomas and John Knoll. Later on, it was developed and published by Adobe Systems for Windows and Macintosh.

a) What does CC stands for?

Ans: _____

b) Who has developed Photoshop?

Ans: _____

c) What can we do with Adobe Photoshop?

Ans: _____

Part-3 – Application skills of Subject Tools & Concepts

Q.3. Draw the Diagram/Picture/ Flow chart /Puzzles for the following Concepts

Diagram/Picture:

a) Draw the component window of Adobe Photoshop CC.

Match Up:

Column A	Column B
1. 	a. Lasso Tool
2. 	b. Polygon Lasso Tool
3. 	c. Quick Selection Tool
4. 	d. Rectangular Marquee Tool
5. 	e. Move Tool

Q.4. Solve the following Assertion-Reason/Statement based question

- (i) Assertion (A): Photoshop provides a tool called Move Tool to Move object around the surface.
Reason(R):Move Tool allow you to a move a selection by dragging with your mouse.
- Both Assertion (A) and Reason (R) are true and Reason (R) is a correct explanation of Assertion (A).
 - Both Assertion (A) and Reason (R) are true but Reason (R) is not a correct explanation of Assertion (A).
 - Assertion (A) is true and Reason (R) is false.
 - Assertion (A) is false and Reason (R) is true.
- (ii) Assertion (A): Color Replacement tool replace duplicate color of an image.
Reason(R): Pencil tool use to create design or lines with option to change color, opacity, intensity and pencil Diameter.
- Both Assertion (A) and Reason (R) are true and Reason (R) is a correct explanation of Assertion (A).
 - Both Assertion (A) and Reason (R) are true but Reason (R) is not a correct explanation of Assertion (A).
 - Assertion (A) is true and Reason (R) is false.
 - Assertion (A) is false and Reason (R) is true.

Q.5. Write the Shortcut Key of following terms/abbreviations:

- (i) To deselect : _____
(ii) To activate Lasso Tool : _____

Q.6. Answer the following Short Answer Type Questions

- What do you mean by Pixel?
- Define the Paint Bucket tool.
- What do you mean by layer?
- What is the extension of Photoshop?
- Which selection tool work like a pencil?

Q.7. Answer the following Long Answer Type Questions

- What is selection tool? Write the names of any two selection tool.
- What is role of the Slice tool when we are talking about a website?
- How will you work with Quick selection Tool?
- Name few Blending tool brush combination of Mixer Brush Tool. Write the steps to use the Mixer
- Brush Tool.
- What is the use of Crop tool?What are the step cop an image?

Part-4 – Learning Homework

- Learning Homework:** Learn Q. Ans. of Ch- 2 and Read Page 22 to 41 From Text Book