

## **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.



# R.E.D. Group of Schools

## Summer Holidays Homework

SESSION: 2024-25

CLASS – 9th

Subject: English

Text Book: Beehive, Moments, BBC Compacta

### 1. Syllabus Covered upto MAY END

- Chapter No. 1 Chapter Name- The Lost Child(Moments)
- Chapter No.- 2 Chapter Name- The Adventure of Toto(Moments)
- Ch1,2,3,4(Beehive)
- Poem 1,2,3(Beehive)

### 2. List of all new concepts taught up to MAY END (Grammar Topics)

- Parts of Speech
- Determiners
- Active Passive
- Reported 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(Beehive and Moments, BBC Compacta)
- English Notebook Resources as per activity
- A-4 sheets
- Resources as per activity

### 5. Instruction/Guidelines for Reading & Speaking Homework:

- Section-A: Reading Homework
  - Each student will read one fiction & one non-fiction book and write a book review by using the following steps:-  
**Fiction:**The Ultimate Gift by Jim Stovall, Pride and Prejudice by Jane Austen, The Adventures of Huckleberry Finn by Mark Twain(any one)  
**Non fiction-**The Discovery of India by J.L. Nehru, The Story of My Life by Hellen Keller,Wings of Fire by Dr.Kalam(any one)
    - ✓ 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?”
- Section-B: Speaking Homework
  - Students will practice on one of the given topics as an extempore activity :-
    - Changing Climate
    - OR
    - Use of Technology in Education
    - OR
    - Yoga and Meditation

Students will prepare speaking activity video 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 and 4(Moments)
  - Write difficult words and their meaning in English notebook.

**6. Instruction/Guidelines for Written Homework:**

- **Section – D:** Do the given Chapter-wise Assignments on A-4 size sheet.
- **Section – E:** Do the given Grammar Assignment on A-4 size sheet.
- **Section – F:** Project work
- Prepare a chart on various types of Determiners(Roll no.1 to15)
- Prepare a chart on various types of tenses(Roll no.16 to 30)
- Prepare a chart on various types of tenses(Roll no.30 onwards)

**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: –**

- |                                                                   |                |
|-------------------------------------------------------------------|----------------|
| ● <b>Section-A Reading HW</b>                                     |                |
| ➤ Book Review                                                     | <b>2 marks</b> |
| ● <b>Section-B Speaking Homework</b>                              |                |
| ➤ Video shared by students on Whatsapp                            | <b>4 marks</b> |
| ● <b>Section-C Pre reading homework</b>                           |                |
| ➤ Difficult words & their meanings in N.B.                        | <b>2 marks</b> |
| ● <b>Section-D Chapter wise Revision Assignments on A-4 sheet</b> | <b>4 marks</b> |
| ● <b>Section-E Grammar Revision Assignment</b>                    | <b>4 marks</b> |
| ● <b>Section-F Project work</b>                                   | <b>4 marks</b> |

**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-9  
Ch1, Poem 3

Subject-English  
The Fun They Had, Rain on the Roof

### Part-1 – Vocabulary skills

- Q.1. Write the meanings of the following key terms:**  
(i). Crinkly                      (ii) Loftily                      (iii) Scornful  
(iv) Nonchalantly              (v) Slot                          (vi) Tinkle  
(vii) Shingles                      (viii) Woof                      (ix) Dreamy  
(x) Recollections
- Q.2. Write the Synonyms of the following words**  
(i) Dispute  
(ii) Patter
- Q.3. Write the Antonyms of the following words**  
(i) Loftily  
(ii) Sorrowfully
- Q.4. Write the Homonyms of the following words**  
(i) Steal  
(ii) Stairs

### Part-2 – Reading Skills

- Q.5. Read the following Passage from the Chapter & answer the questions.**  
Margie even wrote about it that night in her diary. On the page headed May 17, 2157, she wrote, "Today Tommy found a real book!"
- Answer the following Questions from the passage:-**
- What did Margie write about in her diary on May 17, 2157?
  - What was unusual or special about the book Tommy found according to Margie?
  - How do you think Margie felt about the discovery of the real book? Provide a reason for your answer.

### Part-3 –Application skills of Subject Tools & Concepts

- Q.6. Answer the following Short Answer Type Questions**
1. What does the poet like to do when it rains?
  2. What memories does the poet recall while listening to the rain
  3. How does the sound of the rain affect the poet?
- Q.7. Answer the following Long Answer Type Questions**
1. How did Margie feel about the mechanical teacher?
  2. What did Margie and Tommy discover that was different from their usual learning materials?
  3. Why did Margie's mother believe in having a fixed study schedule?

### Part-4 – Learning Homework

**Learning Homework:** Learn Q. Ans. of chapter 1 and poem 3 from Text Book/Notebook.



# R.E.D. Group of Schools

## Chapter-wise Revision Assignment-2

Class: 9th  
Ch.No.: 2,3

Subject: English  
Ch. Name: The Sound of Music, The Little Girl

### Part-1 – Vocabulary skills

- Q.1. Write the meanings of the following key terms:**
- |                  |                |                  |
|------------------|----------------|------------------|
| (i) Prestigious  | (ii) Daunting  | (iii) Profoundly |
| (iv) Impaired    | (v) Intriguing | (vi) Workaholic  |
| (vii) Auspicious | (viii) Butcher | (ix) Giant       |
| (x) Nightmare    |                |                  |
- Q.2. Write the Synonyms of the following words**
- (i) Impaired  
(ii) Intriguing
- Q.3. Write the Antonyms of the following words**
- (i) Auspicious  
(ii) Master
- Q.4. Write the Homonyms of the following words**
- (i) Floor  
(ii) Course

### Part-2 – Reading Skills

- Q.5. Read the following Passage from the Chapter & answer the questions.**

#### Passage

"It is intriguing to watch Evelyn function so effortlessly without hearing. In our two-hour discussion she never missed a word. 'Men with bushy beards give me trouble,' she laughed. 'It is not just watching the lips, it's the whole face, especially the eyes.' Evelyn confesses that she is something of a workaholic. 'I've just got to work ... often harder than classical musicians. But the rewards are enormous.'"

#### Answer the following Questions from the passage:-

- a) What do you mean by the word intriguing?  
b) What gives Evelyn trouble?  
c) What is Evelyn's confession?

### Part-3 –Application skills of Subject Tools & Concepts

- Q.6. Answer the following Short Answer Type Questions**

1. How did Evelyn Glennie overcome her hearing impairment?
2. What inspired Evelyn Glennie to pursue music?
3. What significant role did Ustad Bismillah Khan play in bringing the shehnai onto the classical stage?

- Q.7. Answer the following Long Answer Type Questions**

1. Kezia's efforts to please her father resulted in displeasing him very much. How did this happen? Discuss how this incident changed her relationship with her father.
2. Compare and contrast the two fathers in the story: Kezia's father and Mr. Macdonald. How did these differences influence Kezia's understanding of her own father?

### Part-4 – Learning Homework

**Learning Homework:** Learn Q. Ans. of Ch2- THE SOUND OF MUSIC and ch-3 THE LITTLE GIRL From Text Book/Notebook.



# R.E.D. Group of Schools

## Chapter-wise Revision Assignment-3

Class: 9th

Subject: English

Ch.No.: 1,2(Moments)

Ch. Name: The Lost Child, The Adventure of Toto

### Part-1 – Vocabulary skills

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

- |                 |                 |                 |
|-----------------|-----------------|-----------------|
| (i) Tonga       | (ii) Wicked     | (iii) Trough    |
| (iv) Sparkle    | (v) Delicacy    | (vi) Scoop      |
| (vii) Shred     | (viii) fastened | (ix) ornamental |
| (x) Mischievous |                 |                 |

**Q.2. Write the Synonyms of the following words**

- (i) Wrench
- (ii) Companion

**Q.3. Write the Antonyms of the following words**

- (i) Wicked
- (ii) Sparkle

**Q.4. Write the Homonyms of the following words**

- (i) Through
- (ii) Buy

### Part-2 – Reading Skills

**Q.5. Read the following Passage from the Chapter & answer the questions.**

#### Passage

However, Toto's mischief sometimes lands him in trouble, leaving his owners both exasperated and amused. Despite his antics, Toto's charm endears him to everyone around him, making him an unforgettable character in this heartwarming tale.

#### Answer the following Questions from the passage:-

- (a) Who is the protagonist of the story "The Adventure of Toto"?
- (b) What kind of antics does Toto engage in?
- (c) How do Toto's actions affect the people around him?

### Part-3 –Application skills of Subject Tools & Concepts

**Q.6. Answer the following Short Answer Type Question**

- A. What did the child want from the fair?
- B. How do Toto's actions impact the other characters in the story?
- C. Where and when was the child when he got lost?

**Q.7. Answer the following Long Answer Type Questions**

- 1. Discuss the role of Toto as a symbol of freedom and mischief in the story. How does his character contribute to the overall theme of the narrative?
- 2 What values of humanity are reflected through the character of the kind man in the chapter 'The Lost Child'?

### Part-4 – Learning Homework

- **Learning Homework:** Learn Q. Ans. of Ch-1The Lost Child and Ch-2The Adventure of Toto From Text Book/Notebook.



# R.E.D. Group of Schools

## Chapter-wise Revision Assignment-4

Class: 9th

Subject: English

Poem No.: 1,2(Beehive)and Ch-4(Behive)

Ch. Name: The Raod Not Taken, Wind

~~A Truly Beautiful Mind~~

### Part-1 – Vocabulary skills

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

- |                  |              |               |
|------------------|--------------|---------------|
| i. Regimentation | ii. Stifle   | iii. Ally     |
| iv. Sigh         | v. Trodden   | vi. Crumbling |
| vii. Courage     | viii. Strong | ix. Firm      |
| x. Friendship    |              |               |

**Q.2. Write the Synonyms of the following words**

- i. Claim
- ii. Courage

**Q.3. Write the Antonyms of the following words**

- i. Diverged
- ii. Crumbling

**Q.4. Write the Homonyms of the following words**

- i. Firm
- ii. Throw

### Part-2 – Reading Skills

**Q.5. Read the following Passage from the Chapter& answer the questions.**

#### Passage

Wind, come softly.  
Don't break the shutters of the windows.  
Don't scatter the papers.  
Don't throw down the books on the shelf.  
There, look what you did—  
you threw them all down.  
You tore the pages of the books.  
You brought rain again.  
You're very clever at poking fun at weaklings

#### Answer the following Questions from the passage:-

- (a) Why does the speaker ask the wind to come softly?
- (b) What are the effects of the wind's actions as described in the extract? List at least two.
- (c) What does the speaker imply about the wind's attitude towards weaklings?

### Part-3 –Application skills of Subject Tools & Concepts

**Q.6. Answer the following Short Answer Type Questions**

1. Einstein showed no early signs of his genius one day. Comment.
2. What did Einstein's playmates call him? Why?
3. How does the speaker characterize the wind's behavior towards weaklings, and what does this reveal about the wind's nature?

**Q.7. Answer the following Long Answer Type Questions**

1. What is the significance of the two roads in the poem, and what do they symbolize in the speaker's life?
2. How does the speaker feel about the choice he made, and what does he predict about how he will view this choice in the future?

### Part-4 – Learning Homework

**Learning Homework:** Learn Q. Ans. of poems 1 and 2 from Text Book/Notebook.



# R.E.D. Group of Schools

## Grammar Revision Assignment-5

Class: 9th

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) Transitive verb - \_\_\_\_\_

Example: \_\_\_\_\_

(b) Intransitive verb \_\_\_\_\_

Example: \_\_\_\_\_

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

**1. Identify the transitive verb in the following sentence:**

"She baked a cake for her friend's birthday."

- a) She
- b) Baked
- c) For
- d) Birthday

**2 Which of the following sentences contains an intransitive verb?**

- a) The cat chased the mouse.
- b) She wrote a letter to her grandmother.
- c) The children played outside.
- d) He fixed the broken car.

**Q.3. Fill in the blanks with correct form of verb.**

- a) He \_\_\_\_\_ the ball across the field.
- b) The baby \_\_\_\_\_ for hours.
- c) She \_\_\_\_\_ her keys on the kitchen counter.
- d) The flowers \_\_\_\_\_ quickly in the warm sunlight.

**Q.4. Change the bold parts of speech to the following:**

- a) The chef cooked in the kitchen. (Transitive verb)
- b) The dog chased the ball around the yard. (Intransitive verb)
- c) The student read for hours. (Transitive verb)
- d) She wrote a letter. (Intransitive verb)

### Part-2 – Sentence Structure

#### Section-B: Tense Structure

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

(a) Simple Future Tense - \_\_\_\_\_

Example: \_\_\_\_\_

(b) Future Continuous - \_\_\_\_\_

Example: \_\_\_\_\_

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

**1. Identify the sentence that uses the simple future tense:**

- a) She will be studying all night for the exam.
- b) They are going to the park tomorrow.
- c) I will call you when I arrive.
- d) We will be having dinner at 8 PM.

2 Identify the sentence that uses the future continuous tense:

- a) He will finish the project by next week.
- b) She will be traveling to Paris next month.
- c) They are planning a trip to Japan.
- d) I will meet you at the café.

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

- a) I \_\_\_\_\_ (meet) you at the train station tomorrow. (Simple Future Tense)
- b) This time next week, she \_\_\_\_\_ (fly) to New York. (Future Continuous Tense)
- c) They \_\_\_\_\_ (start) the new project next month. (Simple Future Tense)
- d) At 9 PM tonight, we \_\_\_\_\_ (watch) the new movie. (Future Continuous Tense)

**Q.8. Identify and correct the error in the following sentences:**

- (a) She will studying for her exams all night.
- (b) They will goes to the beach next weekend.
- (c) I will be call you when I arrive.
- (d) He will works on the report later.

**Q.9. Transform the given sentences as instructed:**

- (a) She will visit the museum tomorrow. (Negative)
- (b) They will be playing soccer at 4 PM. (Interrogative)
- (c) I will finish my homework by 7 PM. (Interrogative)
- (d) He will be driving to the airport at this time tomorrow. (Negative)

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

- (a) वह कल सुबह 10 बजे पढ़ रही होगी।
- (b) मैं अगले महीने दिल्ली जाऊँगा।

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

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

**1. Identify the irregular verb in the following list:**

- a) Walk
- b) Play
- c) Write
- d) Clean

**2. Which of the following sentences contains a regular verb?**

- a) She sings beautifully.
- b) He broke the vase.
- c) They talked for hours.
- d) We drove to the beach.

**Q.12. Identify and correct the error in the following sentences:**

- a) Yesterday, I goed to the store.
- b) She writed a letter to her friend.
- c) He teached English at the university.
- d) They buyed a new car last week.

**Part-3 – Creative Writing Skills**

**Section-D**

**Q.13. Question based on hobbies, experiences or picture descriptions.**

Write a descriptive paragraph on the topic of 'Importance of School to Form a Responsible Citizen'.

**Q.14. Question based on Essay Writing/Story Writing/ Letter Writing/ E-Mail.**

Write a short story with a moral 'Never Leave Any Stone Unturned'.

---



# R.E.D. Group of Schools

## Summer Holidays Homework

SESSION: 2024-25

CLASS – 9

Subject: Hindi

Text Book: क्षितिज भाग-1, कृतिका भाग-1, व्याकरण प्रवाह

1. **30 मई तक पढ़ाया गया पाठ्यक्रम-**
  - अध्याय संख्या-1. क्षितिज भाग-1 अध्याय का नाम -दो बैलों की कथा
  - अध्याय संख्या-9. क्षितिज भाग-1 अध्याय का नाम -साखियाँ एवं सबद
  - अध्याय संख्या-1. कृतिका भाग-1 अध्याय का नाम -इस जल प्रलय में
2. **मई अंत तक सिखाई गई सभी नई अवधारणाओं (Concepts) की सूची -**
  - कहानी व साखियों का मूलभाव लिखना।
  - मूल शब्द, उपसर्ग-प्रत्यय अलग करना।
  - अर्थ के आधार पर वाक्य पहचान व परिवर्तन करना।
  - काव्य में अलंकारों की पहचान करना।
  - पत्र, संवाद व अनुच्छेद लेखन।
3. **ग्रीष्मावकाश हेतु गृहकार्य -**

**पठन एवं वाचन गृहकार्य**

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

**लेखन गृहकार्य**

  - अनुभाग घ - पाठ के अनुसार पुनरावृत्ति कार्यपत्र
  - अनुभाग ङ - व्याकरण पुनरावृत्ति कार्यपत्र
  - अनुभाग च - परियोजना कार्य
4. **गृहकार्य करने के लिए आवश्यक उपकरण -**
  - पाठ्यपुस्तक
  - व्याकरण पुस्तक
  - उत्तरपुस्तिका
  - A-4 Sheets
  - गतिविधि के अनुसार संसाधन
5. **पठन एवम् वाचन गृहकार्य हेतु दिशा निर्देश।**
  - अनुभाग क - पठन गृहकार्य
  - प्रत्येक विद्यार्थी निम्नलिखित में से किसी एक पुस्तक को पढ़कर उसके बारे में अपना दृष्टिकोण प्रस्तुत करने के लिए नीचे दिए गए सोपानों (Steps) की सहायता लें।
    - (क) गोरा (महादेवी वर्मा)
    - (ख) पूस की रात (प्रेमचंद)
  - प्रथम पृष्ठ रचनात्मक बनाएँ जो कि पुस्तक/कहानी पर आधारित हो।
  - पढ़ी गई पुस्तक पर आधारित पात्रों को पहचानिए और नाम लिखिए।
  - सारांश लिखने के लिए निम्नलिखित बातों को ध्यान में रखिए -
    - आरंभ
    - मध्य
    - अंत/समापन
  - अगर आप भी लेखक होते तो कहानी का अंत कैसे करते? इस विषय पर एक अनुच्छेद लिखिए।
  - अनुभाग ख - वाचन कौशल
  - विद्यार्थी निम्नलिखित विषयों में से एक विषय पर अभ्यास करके वाचन क्रिया की एक मिनट की वीडियो बनाकर अपने हिंदी अध्यापक के पास भेजें :-
  - साखियाँ एवं सबद(अर्थ सहित)

- 'पशु प्रताड़ना : उचित या अनुचित'
- अनुभाग ग – विद्यार्थी निम्नलिखित पाठों का पूर्व पठन करें व कठिन शब्दों को उनके अर्थ सहित उत्तरपुस्तिका में लिखें ।
  - अध्याय संख्या 2—ल्हासा की ओर (क्षितिज भाग-1)
  - अध्याय संख्या 2— मेरे संग की औरतें (कृतिका भाग-1)

6. लेखन गृहकार्य हेतु दिशा—निर्देश –

- अनुभाग घ – पाठ के अनुसार दिए गए पुनरावृत्ति कार्यपत्र को **A-4 Sheets** पर लिखिए ।
- अनुभाग ङ – व्याकरण पुनरावृत्ति को **A-4 Sheets** पर लिखिए ।
- अनुभाग च – विद्यार्थी निम्नलिखित बिंदुओं पर आधारित परियोजना कार्य रंगीन **A-4 Sheets** पर बनाएँगे ।  
(क) कबीरदास— जीवन परिचय, रचनाएँ, काव्यगत विशेषताएँ, भाषा शैली  
अथवा

(ख) उदाहरण सहित अलंकार और वाक्य के भेदों को दर्शाता चार्ट बनाइए ।

7. हिन्दी गृहकार्य के लिए अंक योजना

- |                                                    |       |
|----------------------------------------------------|-------|
| ○ अनुभाग क – पठन गृहकार्य                          |       |
| • पुस्तक समीक्षा                                   | 2 अंक |
| ○ अनुभाग ख – वाचन गृहकार्य                         |       |
| • छात्रों द्वारा Whatsapp पर साझा की गई विडियो     | 4 अंक |
| ○ अनुभाग ग – पूर्व पठन गृहकार्य                    |       |
| • अर्थ सहित पाठ के सभी कठिन शब्द उत्तरपुस्तिका में | 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: 9

पाठ संख्या : 1

पाठ का नाम: दो बैलों की कथा

## Part- 1 (Vocabulary Skill)

प्रश्न-1 निम्नलिखित शब्दों के अर्थ लिखिए।

क) घनिष्ठता	च) बेतहाशा
ख) आक्षेप	छ) पागुर
ग) प्रतिद्वंद्वी	ज) तृप्ति
घ) बधिक	झ) संगठित
ड) आत्मीयता	ञ) ताकीद

प्रश्न-2 निम्नलिखित शब्दों के पर्यायवाची शब्द लिखिए।

क) विषाद-	ख) उछाह-
-----------	----------

प्रश्न-3 निम्नलिखित शब्दों के विलोम शब्द लिखिए।

क) मृतक-	ख) भोर-
----------	---------

प्रश्न-4 निम्नलिखित शब्दों के श्रुतिसमभिन्नार्थक शब्द लिखिए।

क) आदि -	ख) आदी -
----------	----------

## Part- 2 (Reading Skill)

प्रश्न 5. निम्नलिखित पठित गद्यांश को पढ़कर पूछे गए प्रश्नों के उत्तर दीजिए

मोती दिल में ऐंठकर रह गया। गया आ पहुँचा और दोनों को पकड़ कर ले चला। कुशल हुई कि उसने इस वक्त मारपीट न की, नहीं तो मोती भी पलट पड़ता। उसके तेवर देखकर गया और उसके सहायक समझ गए कि इस वक्त टाल जाना ही मसलहत है।

आज दोनों के सामने फिर वही सूखा भूसा लाया गया। दोनों चुपचाप खड़े रहे। घर के लोग भोजन करने लगे। उस वक्त छोटी-सी लड़की दो रोटियाँ लिए निकली, और दोनों के मुँह में देकर चली गई। उस एक रोटि से इनकी भूख तो क्या शांत होती, पर दोनों के हृदय को मानो भोजन मिल गया।

उपरोक्त गद्यांश से निम्नलिखित प्रश्नों के उत्तर दीजिए।

- (क) मोती दिल में ऐंठकर क्यों रह गया?  
(ख) बैलों के प्रति गया व छोटी लड़की के व्यवहार में क्या अंतर था?  
(ग) मोती की क्रोधित मुद्रा का गया और उसके साथियों पर क्या प्रभाव पड़ा?

## Part- 3 (Application Skill)

प्रश्न 6. निम्नलिखित लघूत्तरीय प्रश्नों के उत्तर दीजिए-

- (क) बैल का स्थान गधे से नीचा क्यों कहा गया है?  
(ख) शत्रुओं के बारे में हीरा-मोती के विचार किस तरह भिन्न थे?  
(ग) झूरी की पत्नी ने नौकरों को क्या ताकीद दी?

प्रश्न 7. निम्नलिखित दीर्घ उत्तरीय प्रश्नों के उत्तर दीजिए-

- (क) मोती की चारित्रिक विशेषताएँ लिखिए।  
(ख) यह कहानी आजादी की लड़ाई की ओर संकेत करती है? कैसे?  
(ग) पाठ के आधार पर सिद्ध कीजिए कि एकता में शक्ति होती है?

## Part- 4 (Learning Homework)

याद करने हेतु गृहकार्य – पाठ-1 'दो बैलों की कथा' के प्रश्नोत्तर याद कीजिए।



# R.E.D. Group of Schools

## Revision Assignment

### Revision Assignment-2

Class:...9<sup>th</sup>

पाठ संख्या : 9

Subject: Hindi

Ch. Name: साखियाँ और सबद

#### भाग-1 –शब्दावली कौशल

प्र.1.निम्नलिखित प्रमुख शब्दों के अर्थ लिखिए—

- |              |             |
|--------------|-------------|
| (i) मुकताफल— | (vi) सुजान— |
| (ii) निरपख—  | (vii) सुभर— |
| (iii) बैराग— | (viii) मोट— |
| (iv) हस्ती—  | (IX) काबा—  |
| (v) स्वान—   | (X) सुरा—   |

प्र.2. निम्नलिखित शब्दों के पर्यायवाची शब्द लिखिए—

- (i) सरोवर.....  
(ii) प्रेम.....

प्र.3. निम्नलिखित शब्दों के विलोम शब्द लिखिए —

- (i) अमृत.....  
(ii) संत.....

प्र.4. निम्नलिखित शब्दों के श्रुतिसमभिन्नार्थी शब्द लिखिए —

- (i) आधी .....
- (ii) आँधी .....

#### भाग-2 – पठन कौशल

प्र.5. निम्नलिखित पद्यांश को पढ़ें और प्रश्नों के उत्तर दें।

मोकों कहाँ ढूँढे बंदे, मैं तो तेरे पास में।  
ना मैं देवल ना मैं मस्जिद, ना काबे कैलास में।  
ना तो कोने क्रिया-कर्म में, नहीं योग बैराग में।  
खोजी होय तो तुरतै मिलिहौं, पल भर की तालास में।  
कहैं कबीर सुनो भई साधो, सब स्वाँसों की स्वाँस में।।

क) मनुष्य ईश्वर को कहाँ-कहाँ ढूँढता फिरता है और कैसे?

ख) कवि ने ईश्वर को सब स्वाँसों की स्वाँस में क्यों कहा है?

ग) प्रस्तुत सबद में कवि ने किन बातों पर बल दिया है?

भाग-3-विषय का अनुप्रयोग कौशल

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

क) कवि ने सच्चे प्रेम की क्या कसौटी बताई है?

ख) हंस अब अन्यत्र क्यों नहीं जाना चाहता?

ग) संसार को स्वान-रूप क्यों कहा गया है?

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

क) पखापखी से कवि का क्या तात्पर्य है? क्या पखापखी में पड़कर ईश्वर को पाया जा सकता है?

ख) कबीर ने दोहों और सबद के द्वारा क्या संदेश देना चाहा है? संक्षेप में लिखिए।

ग) किसी व्यक्ति की पहचान उसके कुल से होती या उसके कर्मों से? तर्क सहित उत्तर दीजिए।

भाग-4 - याद करने हेतु गृहकार्य

पाठ -9 (साखियाँ और सबद) के प्रश्न-उत्तर और शब्दार्थ याद करो।



**R.E.D. Group of Schools**  
**Revision Assignment-3**  
**Subject : Hindi**

**Class: 9<sup>th</sup>**

पाठ संख्या : 1

पाठ का नाम : इस जल प्रलय में (कृतिका)

**Part- 1 (Vocabulary Skill)**

प्र.1. निम्नलिखित प्रमुख शब्दों के अर्थ लिखिए—

- |               |               |
|---------------|---------------|
| (क) पनाह —    | (च) प्लावित—  |
| (ख) विभीषिका— | (छ) पटनियाँ—  |
| (ग) वृष्टि—   | (ज) अनवरत—    |
| (घ) जिज्ञासा— | (झ) फब्तियाँ— |
| (ङ) अविराम—   | (ञ) कोलाहल—   |

प्र.2. निम्नलिखित शब्दों के पर्यायवाची शब्द लिखिए—

- (iii) विभीषिका— .....
- (iv) बुज़दिल— .....

प्र.3. निम्नलिखित शब्दों के विलोम शब्द लिखिए—

- (iii) विनाश— .....
- (iv) अविराम— .....

प्र.4. निम्नलिखित शब्दों के श्रुतिसमभिन्नार्थी शब्द लिखिए—

- (iii) दीप— .....
- (iv) द्वीप— .....

**Part- 2 (Reading Skill)**

प्र.5. निम्नलिखित गद्यांश को पढ़कर दिए गए प्रश्नों के सही विकल्प का चयन कीजिए—

मेरा गाँव ऐसे इलाके में है, जहाँ हर साल पश्चिम, पूरब और दक्षिण की कोसी, पनार, महानंदा और गंगा की बाढ़ से पीड़ित प्राणियों के समूह आकर पनाह लेते हैं, सावन-भादों में ट्रेन की खिड़कियों से विशाल और सपाट परती पर गाय, बैल, भैंस, बकरों के हजारों झुंड-मुंड देखकर ही लोग बाढ़ की विभीषिका का अंदाज़ा लगाते हैं। परती क्षेत्र में जन्म लेने के कारण अपने गाँव के अधिकांश लोगों की तरह मैं भी तैरना नहीं जानता। किंतु दस वर्ष की उम्र से पिछले साल तक—बॉय स्काउट, स्वयंसेवक, राजनीतिक कार्यकर्ता अथवा रिलीफ वर्कर की हैसियत से बाढ़-पीड़ित क्षेत्रों में काम करता रहा हूँ और लिखने की बात? हाईस्कूल में बाढ़ पर लेख लिखकर प्रथम पुरस्कार पाने से लेकर—धर्मयुग में 'कथा-दशक' के अंतर्गत बाढ़ की पुरानी कहानी को नए पाठ के साथ प्रस्तुत कर चुका हूँ। जयगंगा (1947), डायनकोसी (1948), हड़्डियों का पुल(1948) आदि छुटपुट रिपोर्टाज के अलावा मेरे कई उपन्यासों में बाढ़ की विनाश-लीलाओं के अनेक चित्र अंकित हुए हैं।

• गद्यांश से निम्नलिखित प्रश्नों के उत्तर दीजिए—

- (i) लेखक का गाँव किस इलाके में है और वहाँ की क्या-क्या विशेषताएँ हैं?

- (ii) लेखक दस वर्ष की उम्र से क्या काम करता आ रहा था?  
(iii) लेखक की अधिकांश रचनाओं में किसकी विनाशलीला के दर्शन होते हैं?

### **Part- 3 (Application Skill)**

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

- क) 'मुसहरी' लोग जिंदादिली के प्रमाण होते हैं। पाठ के आधार पर स्पष्ट कीजिए।  
ख) बाढ़ की खबर सुनकर लोग किस तरह की तैयारियाँ करने लगे?  
ग) पाठ 'इस जल प्रलय में' गाँव के लोग नाव के अभाव में क्या कर रहे थे?

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

- क) 'इस जल प्रलय में' पाठ में लेखक ने बाढ़ के पानी को 'मृत्यु का तरल दूत' किसे, कब और क्यों कहा?  
(ख) मान लीजिए कि आपके घर के निकट के गाँव में बाढ़ आ गई है तो ऐसी स्थिति में आप क्या करेंगे?  
(ग) मनुष्य पशुओं से प्रेम करते हैं तो पशु भी मनुष्य से भावात्मक संबंध रखते हैं, पाठ के आधार पर स्पष्ट कीजिए।

### **Part- 4 (Learning Homework)**

प्र.8 याद करने हेतु गृहकार्य—

- पाठ 'इस जल प्रलय में' (कृतिका) के प्रश्न और शब्दार्थ याद कीजिए।



R.E.D. Group of Schools  
Grammar Revision Assignment-4

Class: 9th

Subject: Hindi Grammar

भाग-1 शब्द संरचना

अनुभाग-अ – विकारी और अविकारी

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

(क) क्रियाविशेषण - \_\_\_\_\_

उदाहरण: \_\_\_\_\_

(ख) संख्यावाचक विशेषण- \_\_\_\_\_

उदाहरण: \_\_\_\_\_

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

(क) रेखांकित पद में संज्ञा का भेद लिखिए-

• रोहन किताब पढ़ रहा है।

(क) व्यक्तिवाचक संज्ञा

(ख) भाववाचक संज्ञा

(ग) जातिवाचक संज्ञा

(घ) संख्यावाचक संज्ञा

(ख) रेखांकित पद में विशेषण का भेद लिखिए-

• मेरा दोस्त दिल से अमीर है।

(क) संख्यावाचक विशेषण

(ख) परिमाणवाचक विशेषण

(ग) गुणवाचक विशेषण

(घ) सार्वनामिक विशेषण

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

(क) हवा \_\_\_\_\_ गति से चल रही है। (क्रिया विशेषण)

(ख) \_\_\_\_\_ अपना कार्य समय पर पूर्ण करता हूँ। (सर्वनाम)

(ग) कल हम \_\_\_\_\_ देखने दिल्ली जाएँगे। (संज्ञा)

(घ) मेरे पास जो गाय है, वह \_\_\_\_\_ दूध देती है। (विशेषण)

प्र.4. रेखांकित विकारी या अविकारी के भेदों को पहचान कर नाम लिखिए:

(क) वर्तमान में लड़का- लड़की में कोई भेद नहीं है।

(ख) अचानक प्रधानाचार्य कक्षा में आ गए।

(ग) मैं और मेरा मित्र, दोनों ही समझदार हैं।

भाग-2 'वाक्य संरचना'

अनुभाग-ब 'काल संरचना'

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

(क) सामान्य वर्तमानकाल - \_\_\_\_\_

उदाहरण: \_\_\_\_\_

(ख) अपूर्ण भूतकाल - \_\_\_\_\_

उदाहरण: \_\_\_\_\_

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

- (क) तत्पुरुष समास का उदाहरण है—  
क) घुड़सवार, ख) पीतांबर  
ग) रात—दिन घ) नवरात्रि
- (ख) 'लंबोदर' और 'दशानन' में कौन सा समास है?  
क) अव्ययीभाव समास ख) बहुव्रीहि समास  
ग) कर्मधारय समास घ) द्वंद्व समास

प्र.7. निर्देशानुसार काल परिवर्तन कीजिए

- (क) लेखक पहली बार जल प्रलय को देख रहा था। (अपूर्ण वर्तमानकाल)  
(ख) रेणु जी पटना शहर पहुँच गए थे। (संदिग्ध भूतकाल)  
(ग) शायद वह परीक्षा में प्रथम आए। (सामान्य भविष्यकाल)

प्र.8. निम्नलिखित वाक्यों में त्रुटि पहचानें और सुधारें

- (क) श्री राम और सीता जी 14 वर्षों को लिए वनवास गए।  
(ख) रीनू, मीनू और मान्या खेल रहा है।  
(ग) एक फूलों की माला ला दो।  
(घ) तुम तुम्हारा काम करो।

प्र.9. निर्देशानुसार वाक्य परिवर्तन कीजिए:

- (क) इस बार मैं कक्षा में प्रथम स्थान प्राप्त करूँगा। (संदेहवाचक वाक्य)  
(ख) कल से गर्मियों की छुट्टियाँ शुरू हो रही हैं। (विस्मयबोधक वाक्य)  
(ग) वह दूसरों की बुराई नहीं करता है। (प्रश्नवाचक वाक्य)  
(घ) रोहन ने कक्षा में शरारत की। (निषेधवाचक वाक्य)

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

- A. खेल रहे हैं / बच्चे / में / पार्क / बहुत सारे  
B. ने / बाल्मिकी / लिखी / थी / रामायण

अनुभाग—स अन्य व्याकरण विषय (वर्तमान पाठ्यक्रम से)

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

- (i) 'पाठशाला' में प्रयुक्त समास का नाम बताइए—  
(क) अव्ययीभाव समास (ख) तत्पुरुष समास  
(ग) बहुव्रीहि समास (घ) द्विविगु समास
- (ii) द्वंद्व समास का प्रयोग किस समस्त पद में हुआ है?  
(क) पचास—साठ (ख) प्रतिक्षण  
(ग) भारतवासी (घ) सद्गुण

प्र.12. निम्नलिखित वाक्यों में निर्देशानुसार उत्तर दीजिए—

- किस पंक्ति में उपमा अलंकार का प्रयोग नहीं हुआ है?  
(क) पीपर पात सरिस मन डोला  
(ख) चाँद सा सुंदर चेहरा  
(ग) मैया मैं तो चंद्र खिलौना लैहों।  
(घ) हरिपद कोमल कमल से

भाग-3 –रचनात्मक–लेखन कौशल  
अनुभाग–‘डी’

प्र.13. कोई एक प्रश्न हल कीजिए–

‘अभ्यास की शक्ति’ विषय पर 80 से 100 शब्दों में लघु कथा लिखिए।

अथवा

आपका नाम मोहन है। आपके मोहल्ले का सीवर टूट गया है, अपने क्षेत्र के स्वास्थ्य अधिकारी को सीवर की मरम्मत करवाने के लिए ई–मेल लिखिए।

प्र.14. निम्नलिखित विषयपर 120 सारगर्भित शब्दों में अनुच्छेद लिखिए

- ग्लोबल वार्मिंग : सबकी चिंता का विषय

संकेत बिंदू–

- ग्लोबल वार्मिंग का अर्थ
- ग्लोबल वार्मिंग के कारण एवं रोकने के उपाय,
- परिणाम व समाधान।

अथवा

• आपके विद्यालय में पेयजल की समस्या की ओर ध्यान आकर्षित करवाते हुए प्रधानाचार्याजी को पत्र लिखिए।



# R.E.D. Group of Schools

## Summer Holidays Homework

SESSION: 2024-25

CLASS – 9<sup>th</sup> (NTSE)

Subject: Maths

Text Book: NCERT

### 1. Syllabus Covered upto MAY END

- |      |                         |               |                                  |
|------|-------------------------|---------------|----------------------------------|
| i)   | Chapter No.- ...01..... | Chapter Name- | NUMBER SYSTEM                    |
| ii)  | Chapter No.- ...02..... | Chapter Name- | POLYNOMIALS                      |
| iii) | Chapter No.- ...03..... | Chapter Name- | COORDINATE GEOMETRY              |
| iv)  | Chapter No.- ...04..... | Chapter Name- | LINEAR EQUATION IN TWO VARIABLES |
| v)   | Chapter No.- 05.....    | Chapter Name- | INTRODUCTION TO EUCLIDS GEOMETRY |
| vi)  | Chapter No.- ...06..... | Chapter Name- | LINES AND ANGLES                 |
| vii) | Chapter No.- ...07..... | Chapter Name- | TRIANGLES                        |

### 2. List of all new concepts taught upto MAY END

1. Natural Numbers, Whole Numbers, Integers, Rational Numbers, Irrational Numbers, Real Numbers and their Decimal Expansions, Operations on Real Numbers, Laws of Exponents for Real Numbers.
2. Polynomials in One Variable, Zeros of Polynomials, Factorisation of Polynomials. Algebraic Identities.
3. Coordinate Geometry, Cartesian System including coordinate plane, Positive-negative directions, X-Y axes, Quadrants, Abscissa and Ordinate.
4. Basic introduction to linear equations in two variables, Solution of linear equations,
5. A brief history of geometry, Introduction to Euclid's geometry, Euclid's definitions, axioms, postulates.
6. Introduction to lines and angles, Basic terms related to them, Intersecting and non-intersecting lines, Pairs of angles, Parallel lines and a transversal.
7. Triangles and their properties, congruence of triangles and their congruence criterion.

### 3. Summer Holiday Homework:

- **Reading Homework:**
  - **Section - A:** Pre-Reading Homework
- **Written Homework:**
  - **Section-B:** Chapter-wise Revision Assignment
  - **Section-C:** Lab Practicals
  - **Section-D:** Indian Mathematicians and their contributions
  - **Section-E:** Creative Project/ Model

### 4. Tools required for doing Homework:

- Text Book
- Notebook
- A<sub>4</sub> Sheets

### 5. Instruction/Guidelines for Reading Homework:

- **Section – A: Pre-Reading Homework**
  - Do the Pre-Reading of Chapter No. 08 (Quadrilaterals) and 09 (circles)
  - Write difficult words and their meanings in maths notebook.

### 6. Instruction/Guidelines for Written Homework

- **Section-B:** Do the given Assignments on a A-4 size sheet.
- **Section-C:** Lab Practicals (Lab Manual -MATHS by Full marks publication.)
  - **Make the following lab activities in lab manual**

- Activity no 4.2 (Equal division of a paper strip) To divide a paper strip into equal parts( say 7)  
Page No. 72
- Activity no 4.7 (Incentre of a triangle) To obtain the Incentre of different types of triangle.  
Page No. 82
- Activity no 4.9 (Congruent triangles) To explore criteria for congruency of triangles, using some cut outs of triangles Page No. 86.

○ **Section-D- Mathematicians and their contribution (Any 2 Mathematicians).**

Inquire for the mathematicians and prepare a project on A4 size sheets and a collage by using their pictures.

- **Mathematicians for Research:**

- Rene Descartes
- Euclids

- **Point to be enquired:**

- Birth
- Education
- Branch in which they worked
- Achievements

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

- **Topic: Roll no 1 to 10 (Knowing More about Euclid’s Geometry)**

**Key points**

History of Euclid Geometry  
 What is Euclidean Geometry?  
 Examples of Euclidean Geometry  
 Euclidean and Non-Euclidean Geometry  
 Properties of Euclidean Geometry  
 Elements in Euclidean Geometry  
 What were Euclidean Axioms?  
 What were Euclid’s Five Postulates?

- **Topic: Roll no 11 to 20 (Verifying algebraic identities of squares and cubes geometrically)**

**Key points**

What are Algebraic Identities?  
 Standard Algebraic Identities List  
 Types of Algebraic Identities  
 Factoring Identities  
 Three Variable Identities:  
 Proof of Algebraic Identities  
 Methods to Verify Algebraic Identities  
 Verify Algebraic Identities by Using Activity Method  
 Difference Between Algebraic Expression and Algebraic Identities  
 Important Tips on Algebraic Identities

- **Topic: Roll no 21 to 30 (Identifying and Verifying Rational and Irrational Numbers in Daily Life)**

**Key points**

Definitions  
 What is a Rational number?  
 What is an Irrational Number?  
 How to Classify Rational and Irrational Numbers?  
 Venn Diagram  
 Difference Between Rational and Irrational Numbers  
 Examples of Rational Numbers, Irrational Numbers  
 Properties of Rational and Irrational Numbers  
 Rational and Irrational Numbers in Daily Life

- **Topic: Roll no 31 to 40 (Discovery about Coordinate Geometry -Enhance your knowledge using internet)**

**Key points**

What is Coordinate Geometry?  
 A quick example:

How is it used in real life?

What are the real world applications of coordinate geometry?

**7. Marking scheme for Maths homework: –**

- **Section-A : Pre-Reading HW**
  - Difficult words & their meanings in N.B. **4 marks**
- **Section-B : Chapter wise Revision Assignments in A-4 sheet** **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

Class: 9<sup>th</sup>

Ch.No.: 1

Subject: Maths

Ch. Name: Number System

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

### Part-1 – Vocabulary skills

**Q.1. Define the following key terms:**

- |                       |                        |                        |
|-----------------------|------------------------|------------------------|
| (i) Number line       | (ii) Natural Numbers   | (iii) Whole Numbers    |
| (iv) Rational Numbers | (v) Irrational Numbers | (vi) Decimal Expansion |
| (vii) Terminating     | (viii) Non Terminating | (ix) Rationalisation   |
| (x) Real Numbers      |                        |                        |

**Q.2. Write all the Formula/Sign/Symbol used in this chapter.**

### Part-2 – Reading skills

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

#### Passage

The Pythagoreans proved that  $\sqrt{2}$  is irrational. Later in approximately 425 BC, Theodorus of Cyrene showed that  $\sqrt{3}$ ,  $\sqrt{5}$ ,  $\sqrt{6}$ ,  $\sqrt{7}$ ,  $\sqrt{10}$  and  $\sqrt{17}$  are also irrationals.

#### Answer the following Questions from the passage:-

- (A) Locate  $\sqrt{2}$  on the number line.  
(B) Is Every irrational number is a real number?  
(C) Is  $\pi$  rational?

### Part-3 – Application skills of Subject Tools & Concepts

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

- a) Find an irrational number between  $\frac{1}{7}$  and  $\frac{2}{7}$ .  
b) Find six rational numbers between 3 and 4.  
c) Is zero a rational number?

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

- a) From the choices given below mark the co-prime numbers.  
(a) 2, 3                      (b) 2, 4                      (c) 2, 6                      (d) 2, 110
- ii) If the decimal representation of a number is non-terminating, non-repeating then the number is  
(a) a natural number                      (b) a rational number  
(c) a whole number                      (d) an irrational number

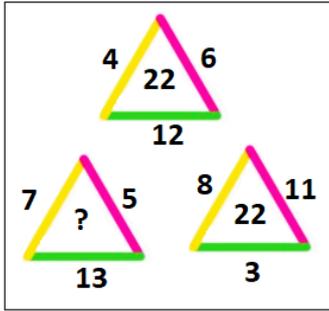
**Q.6. Solve the following Assertion-Reason/Statement based question**

- (i) Assertion: every integer is a rational number  
Reason: every integer is expressed in the form of  $\frac{m}{1}$  so it is rational number  
a) Both Assertion and Reason are correct and Reason is the correct explanation for Assertion  
b) Both Assertion and Reason are correct and Reason is not the correct explanation for Assertion.  
c) Assertion is true but the reason is false.  
d) both assertion and reason are false.
- (ii) Assertion:  $\sqrt{5}$  is an irrational number.  
Reason: A number is called irrational, if it cannot be written in the form  $\frac{p}{q}$ , where p and q are integers and  $q \neq 0$ .  
a) Both Assertion and Reason are correct and Reason is the correct explanation for Assertion  
b) Both Assertion and Reason are correct and Reason is not the correct explanation for Assertion.  
c) Assertion is true but the reason is false.  
d) both assertion and reason are false.

**Q.7. Solve the following Puzzle/Sudoku**

**Puzzle**

a) Solve the below Maths puzzle:



**Sudoku**

b) Let's play Sudoku. Here are the rules: 1, 2, 3, and 4 must occur only once in each column, row, and the  $2 \times 2$  grid. Solve the complete Sudoku.

<b>1</b>	<b>2</b>		
	<b>?</b>		<b>1</b>
	<b>3</b>		<b>4</b>
		<b>3</b>	

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

- Multiply:  $2\sqrt{2} + 5\sqrt{3}$  and  $\sqrt{2} - 3\sqrt{3}$ .
- Give two rational numbers lying between  $0.232332333233332\dots$  and  $0.212112111211112$ .
- $0.3333\dots + 0.44444\dots$  is equal to \_\_\_\_\_.

**Q.9. Answer the following Short Answer Type Questions**

- Locate  $\sqrt{3}$  on the number line.
- Find the decimal expansions of  $\frac{10}{3}$ ,  $\frac{7}{8}$  and  $\frac{1}{7}$ .
- Show that 3.142678 is a rational number.
- Show that  $0.3333\dots = 0.\overline{3}$  can be expressed in the form  $\frac{p}{q}$ , where p and q are integers and  $q \neq 0$ .
- Write three numbers whose decimal expansions are non-terminating non-recurring.

**Q.10. Answer the following Long Answer Type Questions**

- Find the value of a and b for:  $\frac{5+2\sqrt{3}}{7+4\sqrt{3}} = a - b\sqrt{3}$
- Find the value of x for:  $3^{7x} \div 3^{4x} = \sqrt[5]{3^{15}}$
- Represent  $\sqrt{9.3}$  on the number line.
- Identify a rational number among the following numbers:  $2 + \sqrt{2}$ ,  $2\sqrt{2}$ , 0 and  $\pi$
- Express  $1.8181\dots$  in the form  $\frac{p}{q}$  where p and q are integers and  $q \neq 0$ .



# R.E.D. Group of Schools

## Chapter-wise Revision Assignment

Class: 9<sup>th</sup>

Ch.No.: 2

Subject: Maths

Ch. Name: Polynomials

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

### Part-1 – Vocabulary skills

**Q.1. Define the following key terms:**

- |                 |                    |                 |
|-----------------|--------------------|-----------------|
| (i) Polynomials | (ii) Factorization | (iii) Remainder |
| (iv) Factor     | (v) Degree         | (vi) Identities |
| (vii) Monomial  | (viii) Linear      | (ix) Quadratic  |
| (x) Biquadratic |                    |                 |

**Q.2. Write all the Formula/Sign/Symbol used in this chapter.**

### Part-2 – Reading skills

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

#### Passage

R.E.D. School of Jhajjar decided different types of tours for the students to educate them. So, in class IX,  $\frac{1}{12}$ th times the square of the total number of students planned to visit historical monuments.  $\frac{7}{12}$ th times the number of students planned to visit old age homes while 15 students decided to teach poor children.

#### Answer the following Questions from the passage:-

- (A) Using above information express the total number of students as a polynomial in terms of  $x$ .  
(B) Write the coefficient of  $x$  in the polynomial.  
(C) Find the value of  $p(x)$  at  $x = 2$ .

### Part-3 – Application skills of Subject Tools & Concepts

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

- a) Give an example of a monomial and a binomial having degrees of 82 and 99, respectively.  
b) Compute the value of  $9x^2 + 4y^2$  if  $xy = 6$  and  $3x + 2y = 12$ .  
c) Find the value of the polynomial  $5x - 4x^2 + 3$  at  $x = 2$  and  $x = -1$ .

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

- b) The coefficient of  $x^2$  in  $3x^3 + 2x^2 - x + 1$  is:  
(a) 1 (b) 2 (c) 3 (d) -1  
ii) What is the degree of the polynomial  $\sqrt{3}$ ?  
(a) 1 (b) 2 (c) 3 (d) 0

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

- (i) Assertion:  $3x^2 + x - 1 = (x + 1)(3x - 2) + 1$ .  
Reason: To factorise  $ax^2 + bx + c$ , write  $b$  as sum of two numbers whose product is  $ac$ .  
a) Both Assertion and Reason are correct and Reason is the correct explanation for Assertion  
b) Both Assertion and Reason are correct and Reason is not the correct explanation for Assertion.  
c) Assertion is true but the reason is false.  
d) both assertion and reason are false.
- (ii) Assertion: The value of  $593 \times 607$  is 359951.  
Reason:  $(a + b)(a - b) = a^2 - b^2$ .  
a) Both Assertion and Reason are correct and Reason is the correct explanation for Assertion  
b) Both Assertion and Reason are correct and Reason is not the correct explanation for Assertion.  
c) Assertion is true but the reason is false.  
d) both assertion and reason are false.

**Q.7. Solve the following Puzzle/Sudoku****Puzzle**

a) Solve the below Maths puzzle:

	x		x		= 27		
	x		x		x		= 24
	x		x		x		= 96
	+		x		= ?		

**Sudoku**b) Let's play Sudoku. Here are the rules: 1, 2, 3, and 4 must occur only once in each column, row, and the  $2 \times 2$  grid. Solve the complete Sudoku.

	4	3	2
3			
4	1		
		4	1

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

- a) If  $a + b + c = 15$  and  $a^2 + b^2 + c^2 = 83$ , find the value of  $a^3 + b^3 + c^3 - 3abc$ .
- b) Find the values of  $a$  and  $b$  so that  $(2x^3 + ax^2 + x + b)$  has  $(x + 2)$  and  $(2x - 1)$  as factors.
- c) Factorise  $x^2 - 1 - 2a - a^2$ .

**Q.9. Answer the following Short Answer Type Questions**

- a) Find the value of the polynomial  $5x - 4x^2 + 3$  at  $x = 0$ .
- b) If  $x^2 + \frac{1}{x^2} = 18$  then find the value of  $x - \frac{1}{x}$ .
- c) Find the product:  $(x - 3y)(x + 3y)(x^2 + 9y^2)$ .
- d) If  $x + y = 12$  and  $xy = 32$ , Find the value of  $x^2 + y^2$ .
- e) Write the  $(3a + 4b)^3$  in the expanded form.

**Q.10. Answer the following Long Answer Type Questions**

- Find the value of the polynomial  $(x) = 5x - 4x^2 + 3$ .  
(i)  $x = 0$                       (ii)  $x = -1$                       (iii)  $x = 2$
- Find  $p(0)$ ,  $p(1)$  and  $p(2)$  for  $p(y) = y^2 - y + 1$ .
- Find the remainder when  $x^3 + 3x^2 + 3x + 1$  is divided by  $x + 1$ .
- Find the remainder when  $x^3 - ax^2 + 6x - a$  is divided by  $x - a$ .
- Check whether  $7 + 3x$  is a factor of  $3x^3 + 7x$ .



# R.E.D. Group of Schools

## Chapter-wise Revision Assignment

Class: 9<sup>th</sup>

Ch.No.: 3

Ch.No.: 4

Subject: Maths

Ch. Name: Coordinate Geometry

Ch. Name: Linear equations in two variables

For recapitulation & solving the assignment the students should refer to their NCERT of Maths (Ch-3,4)

### Part-1 – Vocabulary skills

**Q.1. Define the following key terms:**

- |                      |                 |                |
|----------------------|-----------------|----------------|
| (i) Linear           | (ii) Equation   | (iii) Solution |
| (iv) Cartesian plane | (v) Unique      | (vi) axis      |
| (vii) Horizontal     | (viii) Vertical | (ix) quadrant  |
| (x) Mirror Image     |                 |                |

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

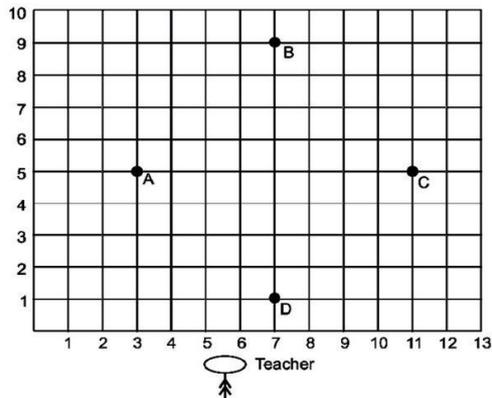
- a) Sign convention                      b) Ordered Pair

### Part-2 – Reading skills

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

#### Passage

Students of a school are standing in rows and columns in their playground for a drill practice. A, B, C and D are the positions of four students as shown in the figure.



**Answer the following Questions from the passage:-**

- (A) What are the coordinates of A and B respectively?  
(B) What are the coordinates of C and D respectively?  
(C) What are the coordinates of the point of intersection of AC and BD?

### Part-3 – Application skills of Subject Tools & Concepts

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

- a) What is the name of horizontal and the vertical lines drawn to determine the position of any point in the Cartesian plane?  
b) Express  $x/4 - 3y = -7$  in the form of  $ax + by + c = 0$ .  
c) Linear equation  $x - 2 = 0$  is parallel to which axis?

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

- i) The coordinates of the point lying on the negative side of x - axis at a distance of 5 units from the origin are :  
a) (0, 5)      b) (0, -5)      c) (5, 0)      d) (-5, 0)
- ii) The linear equation  $3x - 11y = 10$  has:  
a) unique solution      b) two solutions      c) infinitely many solutions      d. no solutions

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

**(i)Assertion:** Point A(-2, -4) lies on III quadrant.

**Reason:** A point both of whose coordinates are negative lies in III quadrant.

**Q.ii Assertion:** A linear equation  $3x + 5y = 2$  has a unique solution.

**Reason:** A linear equation in two variables has infinitely many solutions.

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

- b) Both Assertion and Reason are correct and Reason is not the correct explanation for Assertion.  
 c) Assertion is true but the reason is false.  
 d) both assertion and reason are false.

**Q.7. Solve the following Puzzle/Sudoku**  
**Puzzle**

a) Solve the below Maths puzzle:

$$\begin{aligned} \text{○} + \text{○} &= 10 \\ \text{○} \times \text{□} + \text{□} &= 12 \\ \text{○} \times \text{□} - \text{△} \times \text{○} &= \text{○} \\ \text{△} &= ? \end{aligned}$$

**Sudoku**

b) Let's play Sudoku. Here are the rules: 1, 2, 3, and 4 must occur only once in each column, row, and the  $2 \times 2$  grid. Solve the complete Sudoku.

© MathSphere www.mathsphere.co.uk  
**Puzzle time**  
 12 to 15

	12				

	14				

Can you put the numbers 1 to 8 in each of the squares so that each side adds up to the middle number?

Find the answer on the next page

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

- a) Points A (5, 3), B (-2, 3) and D (5, -4) are three vertices of a square ABCD. Plot these points on a graph paper and hence find the coordinates of the vertex C.
- b) Two students of a College contribute to charity. The contribution of A is  $\frac{2}{5}$  of contribution of B. Write a linear equation according to the above statement and draw the graph for the linear equation.
- c) Cost of 5 kg apples and 2 kg oranges is Rs. 330. Let the cost of 1 kg apples be Rs. x and that of 1 kg is Rs. y. Write the given data in the form of linear equation in two variables. Also, represent it graphically.

**Q.9. Answer the following Short Answer Type Questions**

1. Write the abscissa of the point (-2, 7).
2. Write the co-ordinates of a point whose ordinate is -3 and which lies on y-axis.
3. Find ordinate of all points on the x-axis.
4. Find the perpendicular distance of point P(3, 4) from x-axis.
5. If the points A(0, 2), B(0, -6) and C(a, 3) lie on y-axis, then find the value of a.

**Q.10. Answer the following Long Answer Type Questions**

- i) Write the equation  $2x = 9$ , in the standard form of a linear equation in two variables.
- ii) Write a linear equation for the statement "Twice a number decreased by 7 gives 69". Also, find one solution. How many solutions does the equation have?
- iii) How many solution(s) does the equation  $y = 5x + 2$  have?
- iv) Write a linear equation in two variables whose one solution is given by the point (a, b).
- v) Show that  $x = 1, y = 4$  satisfy the linear equation  $2x + y - 6 = 0$ .



# R.E.D. Group of Schools

## Chapter-wise Revision Assignment

Class: 9<sup>th</sup>

Subject: Maths

Ch.No.: 5

Ch. Name: Introduction to Euclid's Geometry

### Part-1 – Vocabulary skills

**Q.1. Define the following key terms:**

- |               |                   |                    |
|---------------|-------------------|--------------------|
| (i) Geometry  | (ii) Calculating  | (iii) Line segment |
| (iv) Ray      | (v) Perpendicular | (vi) Axioms        |
| (vii) Surface | (viii) Unique     | (ix) Distinct      |
| (x) Radius    |                   |                    |

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

- a) Radius                      b) Parallel

### Part-2 – Reading skills

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

#### Passage

If you compare Euclid's Fifth Postulate with the other four postulates, you will see that it is more complex, while the others are very basic. This led many mathematicians to believe (for many centuries) that Euclid's Fifth Postulate is not a fundamental truth but a result which can be derived from the other four postulates. Many tried in vain to do so, but all failed.

#### Answer the following Questions from the passage:-

- (A) Define ray?  
(B) What do you mean by parallel line?  
(C) Explain fifth postulates in your own words.

### Part-3 – Application skills of Subject Tools & Concepts

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

- (a) Draw congruent lines      (b) Draw perpendicular lines      (c)  $24 \times 8 + 5 =$

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

- i) Into how many chapters was the famous treatise, 'The Elements' divided by Euclid?  
(a) 13      (b) 12      (c) 11      (d) 9
- ii) Euclid belongs to the \_\_\_\_\_ country.  
(a) India      (b) Greece      (c) Japan      (d) Egypt

**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:** A figure is formed of line segment only is called a rectilinear figure.

**Reason:** Circle is a rectilinear figure.

Q.ii **Assertion:** A dimension dot which is drawn on a plane surface is known as point.

**Reason:** A point is that which has no part.

**Q.7. Solve the following Puzzle/Sudoku**

#### **Puzzle**

- a) There are two ducks in front of a duck, two ducks behind a duck and a duck in the middle. How many ducks are there?

## Sudoku

b)

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

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

- Two salesmen make equal sales during the month of August. In September, each salesman doubles his sale of the month of August. Compare their sales in September.
- Ravi and Ketan have the same weight. If they each gain weight by 2 kg, calculate the comparison between their new weights.
- A is of the same age as B and C is of the same age as B. Euclid's which axiom illustrates the relative ages of A and C?

### Q.9. Answer the following Short Answer Type Questions

- It is known that  $x + y = 10$  and that  $x = z$ . Show that  $z + y = 10$ .
- Given that  $a + b = 10$  then  $a + b + c = 10 + c$ . Then which of the Euclid's axiom illustrates this statement? Iii) How many least number of distinct points determine a unique plane?
- Given two points  $P$  and  $Q$ , find how many line segments do they determine.

### Q.10. Answer the following Long Answer Type Questions

- If a point  $C$  lies between two points  $A$  and  $B$  such that  $AC = BC$ , then prove that  $AC = \frac{1}{2} AB$ . Explain by drawing the figure.
- Given three distinct points in a plane, how many lines can be drawn by joining them?
- Prove that an equilateral triangle can be constructed on any given line segment.
- Does Euclid's fifth postulate imply the existence of parallel lines? Explain.



# R.E.D. Group of Schools

## Chapter-wise Revision Assignment

Class: 9th

Ch.No.: 6

Ch.No.: 7

Subject: Maths

Ch. Name: Lines and angles

Ch. Name: Triangles

### Part-1 – Vocabulary skills

Q.1. Define the following key terms:

- |                    |                      |                                 |
|--------------------|----------------------|---------------------------------|
| (i) Lines          | (ii) Angles          | (iii) Intersecting line         |
| (iv) Triangle      | (v) Transversal line | (vi) Adjacent angles            |
| (vii) Vertex       | (viii) Common arm    | (ix) Vertically opposite angles |
| (x) Straight angle |                      |                                 |

Q.2. Write all the Formula/Sign/Symbol used in this chapter.

### Part-2 – Reading skills

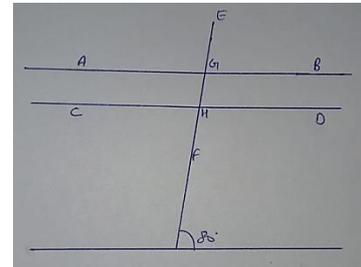
Q.3. Read the following Passage from the Chapter & answer the questions.

#### Passage

An electric post was tilted due to heavy winds by an angle of  $80^\circ$ . Now despite the tilt, the electric wire lines remained parallel to each other and the ground. Now, using the given information, answer the following questions.

#### Answer the following Questions from the passage:-

- (A) Find the measure of angle GHD.  
(B) Find the measure of angle AGE.  
(C) Explain and interpret the information given in passage.



### Part-3 – Application skills of Subject Tools & Concepts

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

- a) If one angle of a triangle is equal to the sum of other two angles, then what type of triangle is it?  
b)  $\Delta PQR$  is right angled at Q, then name the longest side of the triangle and find the relation between PQ and PR.  
c) In  $\Delta ABC$ ,  $\angle A = 40^\circ$ ,  $\angle B = 50^\circ$ , name the longest side of the triangle.

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

- i) If the diagonals of the rectangle ABCD intersect at O and  $\angle COD = 78^\circ$ , then  $\angle OAB$  is:  
a)  $35^\circ$       b)  $51^\circ$       c)  $70^\circ$       d)  $110^\circ$   
ii) The sum of angle of a triangle is  
a)  $0^\circ$       b)  $90^\circ$       c)  $180^\circ$       d) none of these

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 :** Sum of the pair of angles  $120^\circ$  and  $60^\circ$  is supplementary.

**Reason:** Two angles, the sum of whose measures is  $180^\circ$ , are called supplementary angles.

Q.ii **Assertion:** In  $\Delta ABC$ ,  $BC = AB$  and  $B = 80^\circ$ . Then,  $\angle A = 50^\circ$

**Reason:** In a triangle, angles opposite to two equal sides are equal.

**Q.7. Solve the following Puzzle/Sudoku**

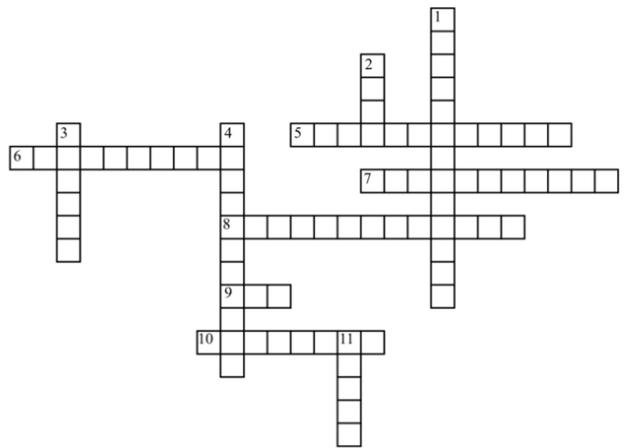
Fill in the crossword with the help of clues given below.

Across

5. Lines which intersect or may intersect when extended
6. Interior angles on the same side of transversal
7. Two end points
8. Pair of angles whose sum is 180o
9. One end point
10. Lines which do not intersect when extended in both direction

Down

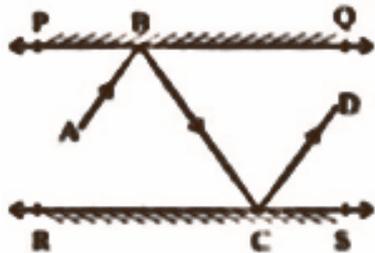
1. Pair of angles whose sum is 90o
2. No end point
3. A pair of adjacent angles whose sum is 180o
4. A line which intersects the given lines at distinct points
11. Number of angles formed by a transversal when it intersects two parallel lines



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

- a) What is the ratio in which Centroid of the triangle divides each median?
- b) The ratio between the base angle and vertical angle of an isosceles triangle is 5:2. Find all the angles of the triangle.
- c) In Fig. 6.33, PQ and RS are two mirrors placed parallel to each other. An incident ray AB strikes the mirror PQ at B, the reflected ray moves along the path BC and strikes the mirror RS at C and again reflects back along CD. Prove that  $AB \parallel CD$ .

C

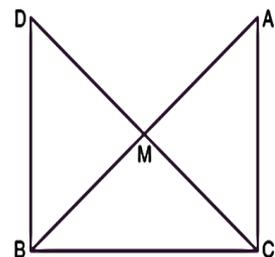


**Q.9. Answer the following Short Answer Type Questions**

- (i) If two lines intersect, prove that the vertically opposite angles are equal.
- (ii) Can a triangle have all angles less than  $60^\circ$ ? Give a reason for your answer.
- (iii) Of the three angles of a triangle, one is twice the smallest and another is three times the smallest. Find the angles.
- (iv) The measure of an angle is twice the measure of the supplementary angle. Find measure of angles

**Q.10. Answer the following Long Answer Type Questions**

- (i) Prove that bisectors of two adjacent supplementary angle include a right angle.
- (ii) The angles of the triangle are in the ratio 2:3:7. Find the measure of each angle of the triangle.
- (iii) ABC is an isosceles triangle in which altitudes BE and CF are drawn to equal sides AC and AB respectively. Show that these altitudes are equal.
- (iv) In right triangle ABC, right-angled at C, M is the mid-point of hypotenuse AB. C is joined to M and produced to a point D such that  $DM = CM$ . Point D is joined to point B (see the figure). Show that:
  - (i)  $\triangle AMC \cong \triangle BMD$
  - (ii)  $\angle DBC$  is a right angle.
  - (iii)  $\triangle DBC \cong \triangle ACB$
  - (iv)  $CM = \frac{1}{2} AB$





# R.E.D.Group of Schools

## Summer Holidays Homework

SESSION: 2024-25

CLASS – 9th

Subject: Science (NTSE)

Text Book: MTG Publication

### 1. Syllabus Covered upto MAY END

#### Chemistry

- Chapter No.-1 Chapter Name- Matter In Our Surrounding
- Chapter No.- 2 Chapter Name- Is Matter Around Us Pure

#### Biology

- Chapter No.- 2 Chapter Name- The Fundamental Unit of Life

#### Physics

- Chapter No.- 1 Chapter Name- Motion
- Chapter No.- 2 Chapter Name- Force and Laws of Motion

### 2. List of all new concepts taught upto MAY END

- Inter-conversion of states of matter: Effect of Temperature
- Factors affecting rate of evaporation
- Rest and Motion, Distance and Displacement
- Uniform and Non-uniform motion, Average Speed
- Velocity and acceleration
- Graphical Representation of Motion
- Equations of Motion and their derivation
- True Solutions and its types, Properties
- Solubility and concentration of solution
- Suspension and Colloids
- Evaporation and Centrifugation
- First law of motion and Inertia, Types of inertia
- Linear Momentum and Second and Third law of motion
- Law of conservation of linear momentum
- Plasma Membrane: Diffusion and Osmosis
- Hypotonic, Hypertonic and Isotonic solution & Cell wall
- Cell Organelles

### 3. Summer Holiday Homework:

- **Reading Homework:**
  - **Section-A:** Pre-Reading Homework
- **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.

### 4. Tools required for doing Homework:

- MTG Publication (Physics, Chemistry, Biology)
- Notebook
- A<sub>4</sub> Sheets
- Resources as per activity

### 5. Instruction/Guidelines for Reading Homework:

- **Section-A : Pre-Reading Homework**
- Do the Pre-Reading
  - Chapter No. – 2 The Fundamental Unit of Life (Biology)
  - Chapter No.- 2 - Force and Laws of Motion (Physics)
- Write all the difficult words & their meanings of above chapters in Science N.B.

## 6. Instruction/Guidelines for Written Homework:

- **Section-B** :Do the given Assignments on A<sub>4</sub> size pages.
- **Section-C** : Creative Project/ Models
  - Topic: Roll no 1 to 8 (Chapter-1(Chemistry)- Matter in our surroundingTopic: Prepare a model to demonstrate movement of particles in solids, liquids and gases.)
  - Topic: Roll no 9 to 16 (Chapter-2 (Chemistry)- Is matter around us pureTopic: Prepare a model to demonstrate tyndall effect.)
  - Topic: Roll no 17 to 24 (Chapter-2 (Biology)-The fundamental unit of lifeTopic: Prepare a chart/model of plant cell/ animal cell.)
  - Topic: Roll no 25 to 31 (Chapter-2 (Physics)-Force and Laws of MotionTopic: Review the three laws of motion.)
- **Section-D**-Experiment based activity.
  - One activity which can be performed at home with parental supervision.
    - Name of the Activity: Osmosis
    - Material Required: Four peeled potato.
    - Procedure: Take four peeled potato halves and scoops each one out to make potato cups. One of these potato cups should be made from a boiled potato. Put each potato cup in a trough containing water. Now,
      - (a) Keep cup A empty
      - (b) Put one teaspoon sugar in cup B
      - (c) Put one teaspoon salt in cup C
      - (d) Put one teaspoon sugar in the boiled potato cup D.Keep these for two hours. Then observe the four potato cups..
      - Observations: (i) Explain why water gathers in the hollowed portion of B and C.
      - (ii) Why is potato A necessary for this experiment?
      - (iii) Explain why water does not gather in the hollowed-out portions of A and D.
    - Conclusion: .....
    - Precautions: .....
- **Section-E- Indian Scientists and their contribution (Any1Scientist).**

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

  - **Scientists for Research:**
    - Jagadish Chandra Bose
    - OR
    - SatyendraNath Bose
  - **Pointtobeenquired:**
    - Birth
    - Education
    - Branchinwhichtheyworked
    - Achievements

## 7. 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.**

**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: 9<sup>th</sup>  
Ch. No.: 1

Subject: Science-Chemistry  
Ch. Name: Matter in Our Surroundings

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

### Part-1 – for Vocabulary skills

Q.1. Define the following Key Terms:

- |                             |                                    |                     |
|-----------------------------|------------------------------------|---------------------|
| (i) Solid State             | (ii) Liquid State                  | (iii) Gaseous State |
| (iv) Temperature            | (v) Evaporation                    | (vi) Latent Heat    |
| (vii) Latent Heat of fusion | (viii) Latent Heat of vaporization | (ix) Sublimation    |
| (x) Condensation            |                                    |                     |

### Part-2 – Reading skills

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

#### Passage

Temperature conversion formulas refer to changing the value of temperature from one unit to another. There are many temperature conversion methods. Among them Kelvin, Celsius and Fahrenheit are the most commonly used methods. According to the Kelvin scale, the freezing point of water is 273.15K and the boiling point is 373.15K. According to Fahrenheit scale, the freezing point of water is 32°F and the boiling point is 212°F. According to the Celsius scale, the freezing point of water is 0°C and the boiling point is 100°C.

#### Conversion of Temperature between Celsius and Kelvin

- The temperature conversion formula from Celsius to Kelvin is:

$$K = C + 273.15$$

- The temperature conversion formula from Kelvin to Celsius is:

$$C = K - 273.15$$

#### Conversion of Temperature between Fahrenheit and Celsius

- The temperature conversion formula from Fahrenheit to Celsius is:

$$C = (F - 32) \times \frac{5}{9}$$

- The Temperature Conversion Formula from Celsius to Fahrenheit is:

$$F = C \left(\frac{9}{5}\right) + 32$$

#### Conversion of Temperature between Fahrenheit and Kelvin

- The Temperature Conversion Formula from Fahrenheit to Kelvin is:

$$K = (F - 32) \times \frac{5}{9} + 273.15$$

- The Temperature Conversion Formula from Kelvin to Fahrenheit is:

$$F = (K - 273.15) \times \frac{9}{5} + 32$$

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

- (A) What is boiling point of water in <sup>0</sup>C, Kelvin and Fahrenheit scale?
- (B) Convert 25°C, 38°C and 66°C to Kelvin scale.
- (C) What is SI unit of temperature?

### Part-3 – Application skills of Subject Tools & Concepts

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

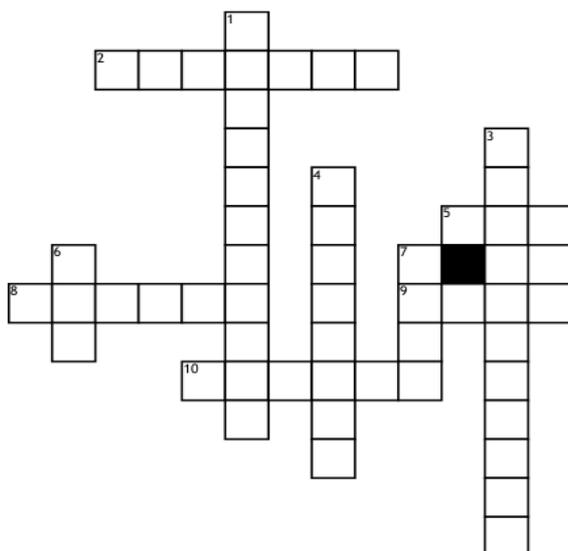
#### **Diagram:**

- a) Sublimation of camphor
- b) Lab thermometer

#### **Flowchart:**

- a) Inter conversion of states of matter

**Puzzle:**



**Across**

- 2. Takes the shape of its container
- 5. 12. The state of matter whose volume depends on the container.
- 8. its meaning is hidden
- 9. 15. The smallest particle of an element.
- 10. This state of matter has high intermolecular force of attraction

**Down**

- 1. When a gas becomes a solid directly
- 3. conversion of liquid into gaseous state below its boiling point
- 4. 17. What forms when one substance dissolves in another substance
- 6. 5. Sublimation is when a solid becomes \_\_\_\_\_ without going through a liquid phase
- 7. 4. All matter has \_\_\_\_\_ even in the absence of gravity.

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

- (i) Assertion : A gas can easily be compressed by applying pressure.  
Reason : Since the inter-particle spaces between gases are very large, they can decrease by applying pressure.
  - (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 the correct explanation of assertion.
  - (c) Assertion is true, but reason is false.
  - (d) Assertion is false, but reason is true.
- (ii) Assertion : Gases exert pressure on the walls of the container.  
Reason : The intermolecular force of attraction is very strong in gases.
  - (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 the correct explanation of assertion.
  - (c) Assertion is true, but reason is false.
  - (d) Assertion is false, but reason is true.

**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**

In an experimental activity, crushed ice was taken in a beaker. A thermometer is fitted in such a way that its bulb was thoroughly surrounded by ice. The beaker is now slowly heated and temperature was regularly noted. Temperature rises gradually as the heating is continued and becomes constant when ice starts changing into liquid.

- (a) What specific name is given to the constant temperature?
- (b) Where does the heat energy go when the temperature does not rise?

**Q.6. Answer the following Short Answer Type Questions**

1. A sample of water under study was found to boil at  $102^{\circ}\text{C}$  at normal temperature and pressure. Is the water pure? Will this water freeze at  $0^{\circ}\text{C}$ ? Comment.
2. 'Osmosis is a special kind of diffusion'. Comment.
3. Water as ice has a cooling effect, whereas water as steam may cause severe burns. Explain these observations.
4. Alka was making tea in a kettle. Suddenly she felt intense heat from the puff of steam gushing out of the spout of the kettle. She wondered whether the temperature of the steam was higher than that of the water boiling in the kettle. Comment.
5. Conversion of solid to vapour is called sublimation. Name the term used to denote the conversion of vapour to solid.

**Q.7. Answer the following Long Answer Type Questions**

1. How does the water kept in an earthen pot (matka) become cool during summer?
2. Why is ice at  $273\text{ K}$  more effective in cooling than water at the same temperature?
3. Differentiate between Boiling and Evaporation.
4. It is a hot summer day, Priyanshi and Ali are wearing cotton and nylon clothes respectively. Who do you think would be more comfortable and why?
5. You want to wear your favorite shirt to a party, but the problem is that it is still wet after a wash. What steps would you take to dry it faster?
6. You are provided with a mixture of naphthalene and ammonium chloride by your teacher. Suggest an activity to separate them with well labelled diagram.
7. It is a hot summer day, Priyanshi and Ali are wearing cotton and nylon clothes respectively. Who do you think would be more comfortable and why?
8. You want to wear your favourite shirt to a party, but the problem is that it is still wet after a wash. What steps would you take to dry it faster?
9. Comment on the following statements:
  - (a) Evaporation produces cooling.
  - (b) Rate of evaporation of an aqueous solution decreases with increase in humidity.
  - (c) Sponge though compressible is a solid.
10. Why does the temperature of a substance remain constant during its melting point or boiling point?

**Part-4 – Learning Homework**

- **Learning Homework:** Learn Q. Ans. of Ch-1 from NCERT and MTG Chemistry Publication pg



# R.E.D. Group of Schools

## Chapter-wise Revision Assignment

Class: 9<sup>th</sup>  
Ch. No.: 2

Subject: Science-Chemistry  
Ch. Name: Is Matter Around Us Pure

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

### Part-1 – for Vocabulary skills

Q.1. Define the following Key Terms:

- |                          |                             |                 |
|--------------------------|-----------------------------|-----------------|
| (i) Mixture              | (ii) Homogeneous mixture    | (iii) Solution  |
| (iv) Suspension          | (v) Heterogeneous mixture   | (vi) Colloid    |
| (vii) Saturated Solution | (viii) Unsaturated Solution | (ix) Solubility |
| (x) Temperature          |                             |                 |

### Part-2 – Reading skills

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

#### Passage

Pragya tested the solubility of three different substances at different temperatures and collected the data as given below (results are given in the following table, as grams of substance dissolved in 100 grams of water to form a saturated solution).

Substance Dissolved	Temperature in K				
	283	293	313	333	353
	<b>Solubility</b>				
Potassium nitrate	21	32	62	106	167
Sodium chloride	36	36	36	37	37
Potassium chloride	35	35	40	46	54
Ammonium chloride	24	37	41	55	66

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

- (A) What mass of potassium nitrate would be needed to produce a saturated solution of potassium nitrate in 50 grams of water at 313 K?
- (B) Which salt has the highest solubility at 293K temperature?
- (C) How can we increase solubility?

### Part-3 – Application skills of Subject Tools & Concepts

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

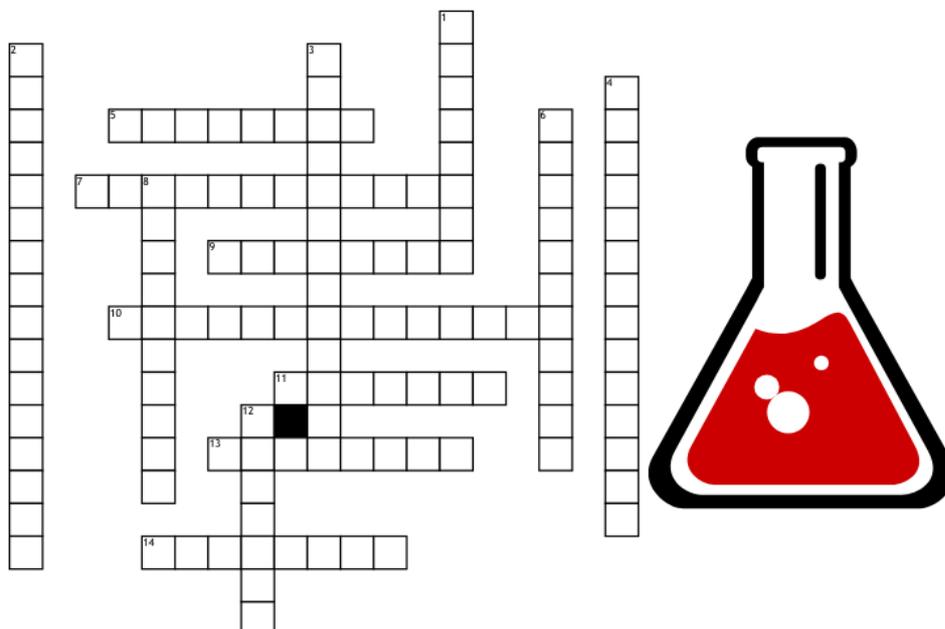
#### **Diagram:**

- a) Filtration  
b) Tyndall effect.

#### **Flowchart:**

- a) Matter

#### **Puzzle:**



**Across**

5. different atoms combined in definite proportion  
 7. separation of miscible liquids  
 9. has dispersed phase and dispersed medium  
 10. separation of cream from milk

11. substance left on filter paper after filtration  
 13. liquid obtained after filtration  
 14. clear and stable mixture

**Down**

1. having same kind of atoms  
 2. immiscible liquids are separated using

3. phenomena of scattering of light by  
 4. separating components of dyes  
 6. uniformly spread  
 8. mixture in which particles can be seen by naked eyes.  
 12. components mixed in any proportion

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

- (i) Assertion : When a beam of light is passed through a colloidal solution placed in a dark place the path of the beam becomes visible.  
 Reason : Light gets scattered by the colloidal particles.  
 (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.
- (ii) Assertion : A solution of table salt in a glass of water is homogeneous.  
 Reason : A solution having different composition throughout is homogeneous.  
 (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.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**

- Take two glasses/beakers filled with water.
- Put a drop of blue or red ink slowly and carefully along the sides of the first beaker and honey in the same way in the second beaker.
- Leave them undisturbed in your house or in a corner of the class.
- Record your observations.

- (a) What do you observe immediately after adding the ink drop?  
(b) What do you observe immediately after adding a drop of honey?

**Q.6. Answer the following Short Answer Type Questions**

1. Write the steps you would use for making tea. Use the words solution, solvent, solute, dissolve, soluble, insoluble, filtrate and residue.
2. Explain the following giving examples.
  - (a) saturated solution
  - (b) pure substance
3. Explain the following giving examples
  - (a) colloid
  - (b) suspension
4. How would you confirm that a colourless liquid given to you is pure water?
5. Classify each of the following as a homogeneous or heterogeneous mixture. soda water, wood, air, soil, vinegar, filtered tea.

**Q.7. Answer the following Long Answer Type Questions**

1. Differentiate between homogeneous and heterogeneous mixture.
2. Differentiate between elements and compounds.
3. Differentiate between mixture and compound.
4. Classify the following into elements, compounds and mixtures.
  - (a) Sodium
  - (b) Soil
  - (c) Sugar solution
  - (d) Silver
  - (e) Calcium carbonate
  - (f) Tin
  - (g) Silicon
5. Which of the following will show "Tyndall effect"?
  - (a) Salt solution
  - (b) Milk
  - (c) Copper sulphate solution
  - (d) Starch solution.
6. Iron filings and sulphur were mixed together and divided into two parts, 'A' and 'B'. Part 'A' was heated strongly while Part 'B' was not heated. Dilute hydrochloric acid was added to both the parts and evolution of gas was seen in both the cases. How will you identify the gases evolved?
7. Classify each of the following, as a physical or a chemical change. Give reasons.
  - (a) Drying of a shirt in the sun.
  - (b) Rising of hot air over a radiator.
  - (c) Burning of kerosene in a lantern.
  - (d) Change in the colour of black tea on adding lemon juice to it.
  - (e) Churning of milk cream to get butter.
8. During an experiment the students were asked to prepare a 10% (Mass/Mass) solution of sugar in water. Ramesh dissolved 10g of sugar in 100g of water while Sarika prepared it by dissolving 10g of sugar in water to make 100g of the solution.
  - (a) Are the two solutions of the same concentration
  - (b) Compare the mass % of the two solutions.
9. You are provided with a mixture containing sand, iron filings, ammonium chloride and sodium chloride. Describe the procedures you would use to separate these constituents from the mixture?
10. Calculate the mass of sodium sulphate required to prepare its 20% (mass percent) solution in 100g of water?

**Part-4 – Learning Homework**

- **Learning Homework:** Learn Q. Ans. of Ch- 2 from NCERT and MTG



**R.E.D. Group of Schools**  
**Revision Assignment (NTSE)**

**Class: 9th**  
**Ch. No.: 2**

**Subject: Science-Physics**  
**Ch. Name: Force and laws of motion**

**For recapitulation & solving the assignment the students should refer to their textbook of Science**

**Part-1 – for Vocabulary skills**

**Q.1.** Define the following Key Terms:

- |                      |                         |                       |
|----------------------|-------------------------|-----------------------|
| (i) Impulse          | (ii) Unbalanced force   | (iii) Inertia         |
| (iv) Linear momentum | (v) Proportional        | (vi) Unbalanced force |
| (vii) Newton         | (viii) Frictional force | (ix) Muscular force   |
| (x) Conservation     |                         |                       |

**Part-2 – Reading skills**

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

**Passage**

The second law of motion is quantitative expression of force and it states that the rate of change of momentum of an object is proportional to the applied unbalanced force in the direction of force. Mathematically,  $F = ma$ , the unit of force is  $\text{kg}\cdot\text{m}/\text{s}^2$  or Newton, which has the symbol N. The second law of motion gives us a method to measure the force acting on an object as a product of its mass and acceleration.

**Answer the following Questions from the passage:-**

- (A) What is SI unit of force?  
(B) The quantitative expression of force is given by law of motion?  
(C) Differentiate between first law and second law of motion. (Give 3 points)?

**Part-3 – Application skills of Subject Tools & Concepts**

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

**Diagram:**

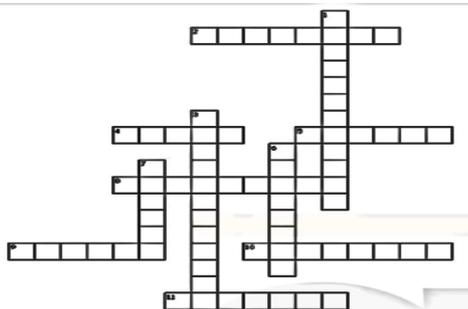
- a) Showing balanced forces acting on an object.  
b) Showing unbalanced forces acting on an object.

**Flowchart:**

- a) Types of forces

**Puzzle:**

- a) Solve the crossword with the help of hints given below:
- Across
- The speed of an object in a given direction
  - A push or pull that can also change the shape of an object
  - The measure of the force of gravity on an object
  - When objects are in motion and hit each other
  - The SI unit of force
  - Mass of object times its velocity
  - Tendency of an object to remain in motion or rest
- Down
- Shortest distance between final and initial position
  - Rate of change of velocity
  - A force that always acts opposite to direction of motion
  - The rate at which an object changes its position



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

*Directions:* In each of the following questions, a statement of Assertion is given and a corresponding statement of Reason is given just below it. Of the statements, given below, mark the correct answer as:

- (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 the correct explanation of assertion.
- (c) Assertion is true but reason is false.
- (d) Both Assertion and Reason are false.

**(i)Assertion:** The forces of action and reaction always appear due to actual physical contact of two bodies.

**Reason:** A particle can move only under the action of a force.

**(ii)Assertion:** Force of friction between two surfaces depends on the area of contact common to the two surfaces.

**Reason:** more the area of contact common to the two surfaces, more is the opposition to the motion.

**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 demonstrate the property of inertia of rest using glass and coin.

**Activity:**Place a fifty paise coin on a piece of a card-board covering the glass. Strike the card board with a finger. The card board flies away and the coin falls into the glass due to inertia of rest.

- (a) Which law is associated with this activity?
- (b) Name the concept involved in this activity.

**Q.6. Answer the following Short Answer Type Questions**

1. A gun fires a bullet of mass 50 g with a velocity of  $30 \text{ m S}^{-1}$ . Because of this, the gun is pushed back with a velocity of  $1 \text{ m S}^{-1}$ . What is the mass of the gun?

2. A force of 200 N acts on a body of mass 2 kg for 10 s. Find the change in the momentum of the body.

3. Is it possible for a particle to describe a curved path if no force acts on it?

4. A rain drop of mass 0.1 g is falling with uniform speed of  $10 \text{ cm/s}$ . What is the net force acting on the drop?

5. A force of 30 N produces acceleration of  $2 \text{ m/s}^2$  in a body of mass  $m$ . Find the mass of the body. Also, find the acceleration if the force is doubled in magnitude along the same direction.

**Q.7. Answer the following Long Answer Type Questions**

1. A man throws a ball weighing 500 g vertically upwards with a speed of  $20 \text{ m/s}$ . I. What will be its initial momentum? II. What would be its momentum at the highest point of its flight?

2. A force of 5 N produces an acceleration of  $8 \text{ m/s}^2$  on a mass  $m_1$  and an acceleration of  $24 \text{ m/s}^2$  on mass  $m_2$ . What acceleration would the same provide if both the masses are tied together?

3. A heavy car A of mass 2000 kg travelling at  $30 \text{ m/s}$  has a head-on collision with a sports car B of mass 1000 kg. If both cars stopped on colliding, what was the velocity of car B?

4. A ball of mass 400g is dropped from a height of 5m. A boy on the ground hits the ball vertically upwards with a bat with an average force of 100N, so that it attains a vertical height of 20m. Find the time for which the ball remains in contact with the bat.

5. A scooterist moving with a speed of 36km/h sees a child standing in the middle of the road. He applies the brakes and brings the scooter to rest in 5s just in time to save child. If mass of the scooter and driver is 300kg, find the average retarding force on the scooter.

**Part-4 – Learning Homework**

- **Learning Homework:** Learn Q. Ans. of Ch- 2 from NCERT and MTG.



# R.E.D. Group of Schools

## Revision Assignment (NTSE)

Class: 9th

Ch.No.:1

Subject: Science-Physics

Ch. Name: Motion

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

### Part-1 – for Vocabulary skills

**Q.1. Define the following Key Terms:**

- |                           |                       |                       |
|---------------------------|-----------------------|-----------------------|
| (i) Acceleration          | (ii) Graph            | (iii) Scalar quantity |
| (iv) Uniform acceleration | (v) Relative velocity | (vi) SI Unit          |
| (vii) Rest                | (viii) Average speed  | (ix) Displacement     |
| (x) Translatory motion    |                       |                       |

### Part-2 – Reading skills

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

#### Passage

The speed of an object is the distance covered per unit time, and velocity is the displacement per unit time. To specify the speed of an object, we require only its magnitude while Velocity is the speed of an object moving in a definite direction. The speed of an object is the distance covered per unit time, and velocity is the displacement per unit time. To specify the speed of an object, we require only its magnitude while Velocity is the speed of an object moving in a definite direction.

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

- (A) What is the S.I unit of speed?  
(B) Write differences between speed and velocity.  
(C) Define scalar and vector quantity with examples?

### Part-3 – Application skills of Subject Tools & Concepts

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

#### **Diagram:**

- a) Distance-Time Graph for Uniformly Accelerated Motion  
b) Distance-Time Graph for Uniform Motion

#### **Flowchart:**

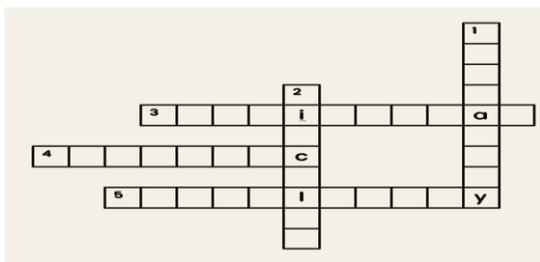
- a) Types of motion

#### **Puzzle:**

- a) Across  
3. A cheetah running straight in a field is undergoing \_\_\_\_\_ motion.  
4. A motion that repeats itself after equal intervals of time is known as \_\_\_\_\_ motion.  
5. A girl swinging on a swing is undergoing \_\_\_\_\_ motion.

#### Down

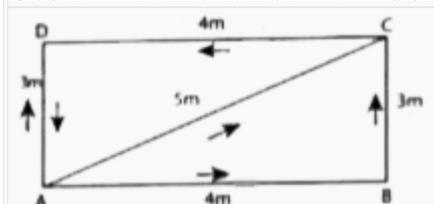
1. A violin string shows \_\_\_\_\_ motion when struck.  
2. A man jogging around a circular track is undergoing \_\_\_\_\_ motion.



**Q.4. 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**

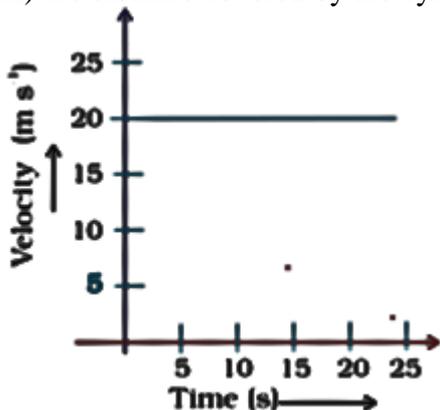
Observe the motion of a car as shown in the figure and answer the following questions:



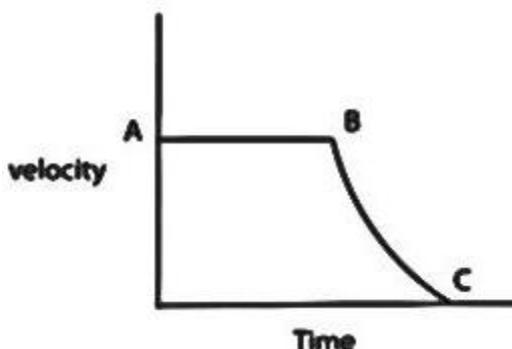
- Compare the distance covered by the car through the path ABC and AC. What do you observe?
- Which path gives the shortest distance to reach D from A? Is it the path ABCD or the path ACD or the path AD?

**Q.5. Answer the following Short Answer Type Questions**

- Draw a velocity versus time graph of a stone thrown vertically upwards and then coming downwards after attaining the maximum height.
- A girl walks along a straight path to drop a letter in the letterbox and comes back to her initial position. Her displacement–time graph is shown in Fig.8.4. Plot a velocity-time graph for the same.
- How will the equations of motion for an object moving with a uniform velocity change?
- The velocity-time graph shows the motion of a cyclist. Find
  - its acceleration
  - its velocity
  - the distance covered by the cyclist in 15 seconds



5. Explain negative acceleration. Identify the part of the graph which has negative acceleration



**Q.6. Answer the following Long Answer Type Questions**

- An object is dropped from rest at a height of 150 m, and simultaneously another object is dropped from rest at a height of 100 m. What is the difference in their heights after 2 s if both the objects drop with the same accelerations? How does the difference in heights vary with time?
- An electron moving with a velocity of  $5 \times 10^4$  m/s enters into a uniform electric field and acquires a uniform acceleration of  $10^4$  ms<sup>-2</sup> in the direction of its initial motion.
  - Calculate the time in which the electron would acquire a velocity double of its initial velocity.
  - How much distance would the electron cover in this time?

3.a) When is a body said to be in uniform and non-uniform acceleration?

b) A train starts from rest and accelerates uniformly for 30 s to acquire a velocity of 108 km/h. It travels with this velocity for 20 min. The driver now applies breaks and the train retards uniformly to stop after 20 s. Find the total distance covered by the train.

4. Give examples of the following:

- A situation where the object is at rest and in motion simultaneously.
- A motion in which acceleration is non-uniform.
- A motion in which acceleration is in the direction of motion of an object.
- An example where an object moves in a certain direction with acceleration in the perpendicular direction.
- An object with constant acceleration and zero velocity.

#### **Part-4 – Learning Homework**

- **Learning Homework:** Learn Q. Ans. of Ch- 1 from NCERT and MTG.



# R.E.D. Group of Schools

## Chapter-wise Revision Assignment

Class:9th(NTSE)

Subject: Science – Biology

Ch.No.: 1

Ch. Name:Cell-The Fundamental Unit Of Life

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

### Part-1 – for Vocabulary skills

Q.1. Define the following Key Terms:

- |                  |                  |                  |
|------------------|------------------|------------------|
| (i) Osmosis      | (ii) Endocytosis | (iii) Thylakoids |
| (iv) Diffusion   | (v) Plasmolysis  | (vi) Centrosomes |
| (vii) Protoplasm | (viii) Nucleolus | (ix) Histones    |
| (x) Cytology     |                  |                  |

### Part-2 – Reading skills

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

Plant cells, in addition to the plasma membrane, have another rigid outer covering called the cell wall. The cell wall lies outside the plasma membrane. The plant cell wall is mainly composed of cellulose. Cellulose is a complex substance and provides structural strength to plants. When a living plant cell loses water through osmosis there is shrinkage or contraction of the contents of the cell away from the cell wall. This phenomenon is known as plasmolysis.

Answer the following Questions from the passage:-

- (A) What do you mean by plant cell?  
(B) What is the reason behind structural strength of plant cell?  
(C) What is the roll of cell wall?

### Part-3 – Application skills of Subject Tools & Concepts

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

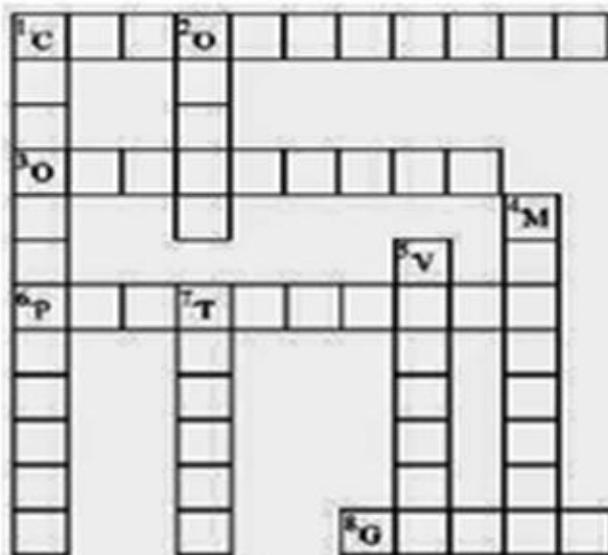
**Diagram:**

- a) Plant cell and Animal cell  
b) Nucleus

**Flowchart:**

- a) Structure of cell

**Puzzle:**



Complete the crossword with the help of clues given below.

Across

- This is necessary for photosynthesis.
- Term for component present in the cytoplasm.
- The living substance in the cell.
- Units of inheritance present on the chromosomes.

Down

- Green plastids.

2. Formed by collection of tissues.
4. It separates the contents of the cell from the surrounding medium.
5. Empty structure in the cytoplasm.
7. A group of cells.

**Q.4. 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**

Carry out the following osmosis experiment:

Take four peeled potato halves and scoop each one out to make potato cups, one of these potato cups should be made from a boiled potato. Put each potato cup in a trough containing water.

Now,

- (a) Keep cup A empty
- (b) Put one teaspoon sugar in cup B
- (c) Put one teaspoon salt in cup C
- (d) Put one teaspoon sugar in the boiled potato cup D

Keep these for two hours. Then observe the four potato cups and answer the following:

- (a) Explain why water gathers in the hollowed portion of B and C.
- (b) Why is potato A necessary for this experiment?

**Q.5. Answer the following Short Answer Type Questions**

1. How is prokaryotic cell different from a eukaryotic cell?
2. Where do the lipids and proteins constituting the cell membrane get synthesised?
3. Explain the function of plastids.
4. Where are proteins synthesised inside the cell?
5. What do you mean by plasmodesmata?
6. Why is endocytosis found in animal only?
7. How is a bacterial cell different from a onion peel cell?
8. How does amoeba obtains its food?

**Q.6. Answer the following Long Answer Type Questions**

1. Make a comparison and write down ways in which plant cells are also different from animal cells.
- 2.a) How are chromatin, chromosomes and DNA related?  
b) What part of chromatin is associated with the control of characteristics in living organisms?
3. Explain the structure and function of mitochondria and golgi bodies.
4. Explain the following terms:  
a) Diffusion                      b)Active transport
5. Why does the skin of your fingers shrink when you wash clothes for a long time?
6. Differentiate between rough and smooth endoplasmic reticulum. How is endoplasmic reticulum important for membrane biogenesis?
7. Explain in brief:  
a) dry apricot are left for sometime in pure water and later transferred to sugar solution.  
b) a red blood cell is kept in concentrated saline solution?
8. Difference between nucleus and nucleoid?

**Part-4 – Learning Homework**

- **Learning Homework:** Learn Q. Ans. of Ch- 1 From NCERT and MTG



# R.E.D. Group of Schools

## Summer Holidays Homework

SESSION: 2024 - 2025

CLASS – 9<sup>th</sup> (NTSE)

Subject: Social Science

Text Book: NCERT Text Book

### 1. Syllabus Covered upto MAY END

- Chapter-1 (Economics) The Story of Village Palampur
- Chapter-2 (Economics) People as Resource
- Chapter-1 (Geography) India: Size and location
- Chapter-2 (Geography) Physical Features of India
- Chapter-1 (History) The French Revolution
- Chapter-1 (Civics) What is Democracy? Why Democracy?

### 2. List of all new concepts taught upto MAY END

- Farming and non-farming activities done in a village for economy
- People as a resource
- Role of health and education in human life
- Unemployment and its types
- Size and location of India
- India's relations with world
- Neighbouring countries of India
- Formation and features of different Physical features of India
- Climate of India and the factors affecting its climate
- Causes, events and results of the French Revolution
- Meaning, features, merits and demerits of Democracy

### 3. Summer Holiday Homework :

#### Reading Homework :

- Section-A- Chapter –Pre reading of next two chapters

#### Written Homework:

- Section-B- Chapter wise Revision Assignments.
- Section-C-Current Affairs Projects
- Section-D-Creative projects /working model
- Section-E-Chart work

### 4. Tools required for doing Homework:

- NCERT Book – Notebook – A4 Sheets – Charts
- Political Map of India and World
- Current/Old Newspapers of one week
- Tools and Materials required for preparing charts
- Painting brush, marker and colours

### 5. Instruction/guidelines for Reading Homework

#### ❖ Pre-Reading Homework:

- ❖ Read Ch. 3 of Eco & Ch. 3 of Hist.
- ❖ Find out difficult words and write their meaning in NB from NCERT Text Book.

### 6. Instruction/Guidelines for Written Homework

- Section – B: Do the given Assignments on A4 Sheets.
- Section – C: **Current Affairs Project:**
  - Collecting current news of five National, five International and five Sports of Month June
  - Write any 5 new inventions of 2024
  - Write any 5 points related to climate change.
- Section-D-Creative Project/ Working model/ Inquiry based project.

Topic	Roll No.
Ch-2 (Geo.) Physical features of India Topic: Physical features of India	1 – 8
Ch.-1 (His.) French revolution Topic : Political symbols of French revolution	9 –16
Ch.-1 (politics) Why democracy? What is democracy? Topic : Fundamental Rights	17– 24
Ch - 2 (Eco) The Story of Village Palampur Topic: Farming and Non - Farming	25-32
Ch - 1 (Geo) India - Size and Location Topic: Globe	33– 40

- **(Roll No. 1 to 8) Topic-** Physical features of India
- **Materials Required:** Chart, pen, Pencil, scale, pictures, Fevicol, colours etc.
- **Steps to prepare Physical features of India**
  - ❖ Collect information about physical features of India with pictures.
  - ❖ Make one small corner by writing subject, topic, your name, subject teacher's name.
  - ❖ Make portion of chart according to physical features and paste the pictures very neatly.
  - ❖ Write some bullets of each feature or factors just down to picture.
- **(Roll No. 9 to 16) Topic-** Political symbols of French revolution
- **Materials Required:** Chart, pen, Pencil, scale, pictures, Fevicol, colours etc.
- **Steps to prepare Political symbols of French revolution**
  - ❖ Draw the political symbols of French revolution on different colour papers.
  - ❖ Cut them beautifully
  - ❖ Make one small corner by writing subject, topic, your name, subject teacher's name.
  - ❖ Take a chart and then paste all the political symbols on it.
  - ❖ Write some points about all the political symbols
  - ❖ **Note- Take care about handwriting and presentation.**
- **Section-E- (Chart Work).**

Topic	Roll No.
Make chart on- Stages of constitution making.	1 – 8
Make chart on- Farming and Non- Farming Activities	9 –16
Indian Political Map -States of India and their capitals ch.1 Geo.	17– 24
Indian Political Map -Himalayan peaks ch.2 Geo	25-32
World Political Map- The countries that were central powers in the First World War ch.2 Hist.	33– 40

#### 7. Marking scheme for Social Science homework: –

- **Section-A : Pre-Reading HW**
  - Difficult words & their meanings in N.B. **4 marks**
- **Section-B : Chapter wise Revision Assignments in A-4 sheet** **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: 9th (NTSE)  
Ch. No.1&2 (Eco)

Subject: Social Science  
Ch. Name: 1. The Story of Village Palampur  
2. People as Resource

### Part-1 – for Vocabulary skills

**Q.1. Define the following Key Terms:**

- |                       |                   |                  |
|-----------------------|-------------------|------------------|
| (i) Manufacturing     | (ii) Imaginary    | (iii) Production |
| (iv) Physical Capital | (v) Fixed Capital | (vi) Population  |
| (vii) Investment      | (viii) Researches | (ix) Liability   |
| (x) Determinant       |                   |                  |

### Part-2 – Reading skills

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

The Green Revolution in the late 1960s introduced the Indian farmers the cultivation of wheat and rice using High Yielding Varieties (HYVs) of seeds. Compared to the traditional seeds, the HYV seeds promised to produce much greater amount of grain on a single plant. As a result, the same piece of land would now produce far larger quantities of food grains. HYV seeds, however, need plenty of water and also chemical fertilizers and pesticides to produce best results. Farmers of Punjab, Haryana and Western UP were the first to try out the modern farming methods in India. In Palampur, the yield of wheat grown from the traditional varieties was 1300 kg per hectare. With the HYV seeds, the yield went up to 3200 kg per hectare. There was a large increase in the production of wheat.

**Answer the following Questions from the passage:-**

- (A) When did green revolution introduced ? What was its purpose?  
(B) What was the impact of green revolution?  
(C) Differentiate between modern and traditional farming.

### Part-3 – Application skills of Subject Tools & Concepts

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

**Maps:**

- a) Uttar Pradesh  
b) Punjab

**Diagram:**

- a) Make a diagram of Modern and Traditional farming.

**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): Palampur is well-connected with neighbouring villages and towns.

Reason (R): Raiganj is a big village and it is 3 kms from Palampur.

(ii) Assertion: Education is an investment in human capital.

Reason: Education helps to develop the skills and knowledge of individuals, which in turn can lead to higher productivity and income levels.

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



**Q.6. Answer the following short answer questions**

1. What do you understand by Seasonal Unemployment ?
2. How can infant mortality be reduced ?
3. What is the main purpose of mid-day meal scheme?
4. What do you understand by the term “Sarva Siksha Abhiyan”?
5. What is the main difference between ‘Human Capital’ and ‘Human Capital Formation’?
6. Why did Japan emerge as a developed country inspite of its poor natural resource?

**Q.7. Answer the following Long Answer Type Questions**

- Distinguish between fixed capital and working capital.
- Why didn't someone start a computer centre earlier? Discuss the possible reasons.
- List the changes in Palampur due to the advent of electric power in the village.
- Briefly explain the four factors of production.
- Suggest any three ways to transform population load into an asset.
- What are the measures taken by the government to improve literacy conditions in India?

#### **Part-4 – Learning Homework**

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



# R.E.D. Group of Schools

## Chapter-wise Revision Assignment-2

Class: 9th ( NTSE)  
Ch. No.1&2 (Geo)

Subject: Social Science  
Ch. Name: 1. india- Size and Location  
2. Physical Features of India

### Part-1 – for Vocabulary skills

**Q.1. Define the following Key Terms:**

- |                   |                     |                   |
|-------------------|---------------------|-------------------|
| (i) Historian     | (ii) Meridian       | (iii) Extention   |
| (iv) Neighbouring | (v) Commodities     | (vi) Geologically |
| (vii) Altitudinal | (viii) Longitudinal | (ix) Prominent    |
| (x) Agricultural  |                     |                   |

### Part-2 – Reading skills

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

The Indian desert lies towards the Western margin of the Aravalli hills. It is an undulating sandy plain covered with sand dunes. This region receives very low rainfall, below 150 mm per year. It has arid climate with low vegetation cover. Streams appear during the rainy season. Soon they disappear into the sand as they do not have enough water to reach the sea. Luni is the only large river in this region. Barchans (Crescent shaped dunes) cover the larger areas but longitudinal dunes become more prominent near the Indo – Pakistan border. The Indian desert is popularly known as the Thar Desert.

**Answer the following Questions from the passage:-**

- (A) Where did Indian desert lies?  
(B) How is the climate of desert Thar?  
(C) What is extension of Thar desert in North-West ? Name the only river of this region.

### Part-3 – Application skills of Subject Tools & Concepts

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

- a) Anai mudi  
b) Narmada River

**Diagram:**

- a) Make a diagram of various land forms of India

**Graph:**

- a) Make a graph of area wise largest countries of the world.

**Q.4. Solve the following Assertio-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

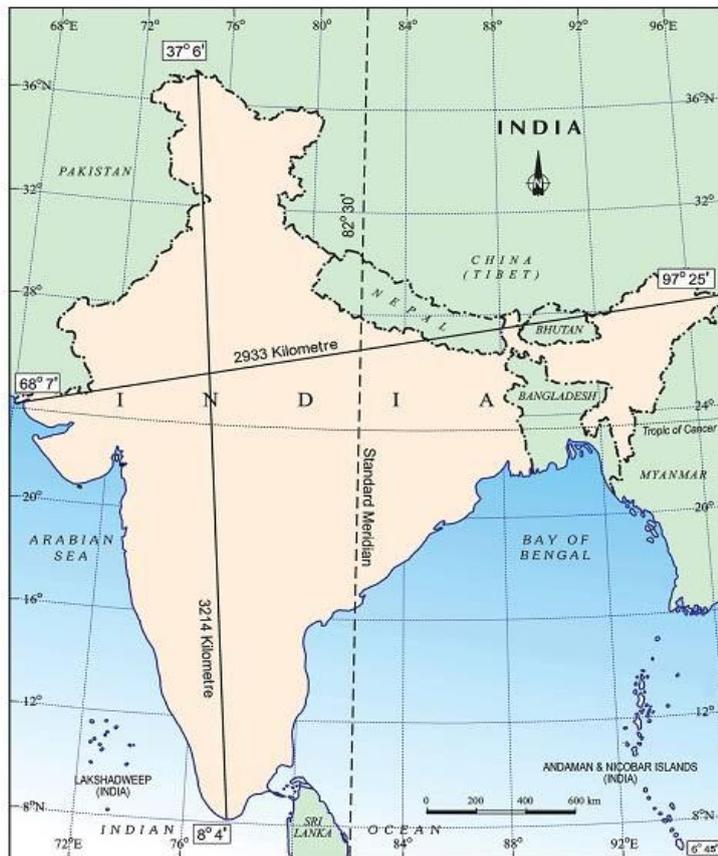
(i) Assertion (A): India lies entirely in the Northern hemisphere.

Reason (R): The Tropic of Cancer (23°30'N) divides the Country into almost two equal parts.

(ii) Assertion (A): The Western Ghats and the Eastern Ghats mark the Western and Eastern edges of the Deccan Plateau respectively.

Reason (R): The Western Ghats are higher than the eastern Ghats.

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



**Q.6. Answer the following short answer questions**

1. How the Himalayas have been divided on the basis of regions from west to east?
2. Which range of the Himalayas has hill stations?
3. How long and wide are the Himalayas?
4. Why is the soil in the Northern Plain fertile?
5. Which plateau lies between the Aravali and the Vindhya range? Write a brief note on this plateau.

**Q.7. Answer the following Long Answer Type Questions**

- Write a note on the location and size of India.
- What was the contribution of land routes to India in ancient times? Explain.
- How has the long coastline been beneficial to India?
- How do different physiographic regions of India complement each other?
- Which part of the Himalayas is known as Purvachal? Write a short note on the Purvachal Himalayas.
- What is the significance of the Northern Plains?

**Part-4 – Learning Homework**

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



# R.E.D. Group of Schools

## Chapter-wise Revision Assignment-3

Class: 9th (NTSE)  
Ch. No.1&2 (Civics)

Subject: Social Science  
Ch. Name: 1.What is Democracy? Why Democracy  
2. Constitutional Design

### Part-1 – for Vocabulary skills

**Q.1. Define the following Key Terms:**

- |                   |                 |                           |
|-------------------|-----------------|---------------------------|
| (i) Dictator      | (ii) Executive  | (iii) Designation         |
| (iv) Malpractices | (v) Opposition  | (vi) Treasons             |
| (vii) Apartheid   | (viii) Preamble | (ix) Constituent assembly |
| (x) Philosophy    |                 |                           |

### Part-2 – Reading skills

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

In China, elections are regularly held after every five years for electing the country's parliament, called Quanguo Renmin Daibiao Dahui (National People's Congress). The National People's Congress has the power to appoint the President of the country. It has nearly 3,000 members elected from all over China. Some members are elected by the army. Before contesting elections, a candidate needs the approval of the Chinese Communist Party. Only those who are members of the Chinese Communist Party or eight smaller parties allied to it were allowed to contest elections held in 2002-03. The government is always formed by the Communist Party.

**Answer the following Questions from the passage:-**

- (A) Who elect the President in China?
- (B) What is the election process of Members of communist party in China?
- (C) Why the government in China is formed by Communist Party only?

### Part-3 – Application skills of Subject Tools & Concepts

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

**Maps:**

- a) Hyderabad
- b) Junagarh

**Diagram:**

- a) Make a diagram on the life of Nelson Mandela

**Q.4. Solve the following Assertio-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: The Constitution of India was adopted on January 26, 1950.

Reason: The Indian Constitution was adopted to provide a framework for a democratic government.

(ii) Assertion: Democracy is a form of government in which the power is vested in a few individuals.

Reason: Democracy is a form of government in which the power is vested in the hands of the people.

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



**Q.6. Answer the following short answer questions**

1. What was the 'Legal Framework Order' passed by Pervez Musharraf in 1 August 2002?
2. How can you say that China is not a democratic country?
3. What are three features of democracy?
4. How does democracy improve the quality of decision making?
5. How far is it correct that no country has a perfect democracy?

**Q.7. Answer the following Long Answer Type Questions**

- What are the merits of a democratic government?
- In which two ways can the philosophy of the Indian Constitution be understood?
- How did the blacks of South Africa fight against the practice of apartheid?
- What compromises were made by both ethnic groups of South Africa for their constitution?
- Why did the Institutional Revolutionary Party in Mexico never lose any election till 2000?
- What were the steps taken by Musharraf in Pakistan to empower himself?

**Part-4 – Learning Homework**

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



# R.E.D. Group of Schools

## Chapter-wise Revision Assignment-4

Class: 9th ( NTSE)  
Ch. No.1 (History)

Subject: Social Science  
Ch. Name: 1. The French Revolution

### Part-1 – for Vocabulary skills

**Q.1. Define the following Key Terms:**

- |                  |                   |                      |
|------------------|-------------------|----------------------|
| (i) ammunition   | (ii) Livre        | (iii) Clergy         |
| (iv) Subsistence | (v) Opportunities | (vi) Representatives |
| (vii) Proposal   | (viii) Manor      | (ix) Inalienable     |
| (x) Convent      |                   |                      |

### Part-2 – Reading skills

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

The National Assembly completed the draft of the constitution in 1791. Its main object was to limit the powers of the monarch. These powers instead of being concentrated in the hands of one person, were now separated and assigned to different institutions – the legislature, executive and judiciary. This made France a constitutional monarchy. The Constitution of 1791 vested the power to make laws in the National Assembly, which was indirectly elected. That is, citizens voted for a group of electors, who in turn chose the Assembly. Not all citizens, however, had the right to vote. Only men above 25 years of age who paid taxes equal to at least 3 days of a labourer's wage were given the status of active citizens, that is, they were entitled to vote. The remaining men and all women were classed as passive citizens.

**Answer the following Questions from the passage:-**

- (A) When did National Assembly completed the draft? What was it's agenda?  
(B) Name the different institution under Constitutional monarchy.  
(C) What kinds of changes were occurred for people in society under Constitutional monarchy?

### Part-3 – Application skills of Subject Tools & Concepts

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

**Maps:**

- a) France  
b) Austriya

**Diagram:**

- a) Make a diagram of Political Symbols (Pg. 12&13)

**Graph:**

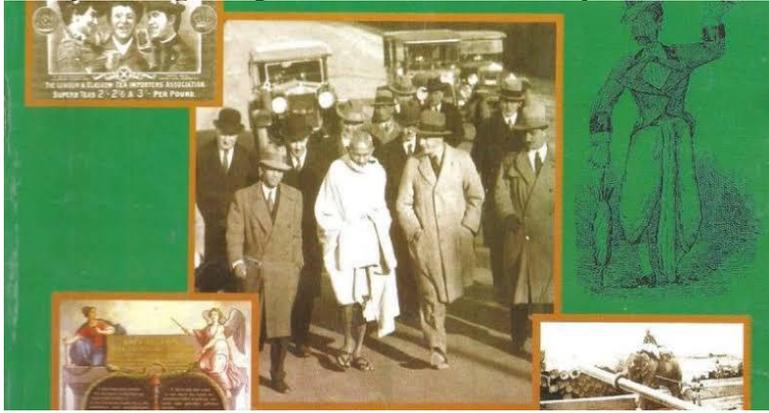
- a) Make a graph showing the different kinds of rules and changes in society in France from late 18 century to early 19th century.

**Q.4. Solve the following Assertio-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): In many ways, the French Revolution was a very significant event in the history of the world  
Reason (R): The French Revolution not only inspired French citizens to take action, but it inspired many philosophers and leaders across the globe.

- (ii) Assertion: In 1805 Napoleon Bonaparte crowned himself as a king of France.  
Reason: Initially many saw him a liberator who would bring freedom for people.

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



**Q.6. Answer the following short answer questions**

1. What is a Guillotine ?
2. Why were images and symbols used in the eighteenth century France ?
3. Who was Robespierre ? Why Is his reign referred as the 'Reign of Terror' ?
4. How was the French society organised before the revolution of 1789 ?
5. What do you know about the abolition of slavery in France ?

**Q.7. Answer the following Long Answer Type Questions**

- Describe the incidents that led to the storming of the Bastille.
- Write some of the main features of the French Constitution of 1791.
- How did a directory rule in France ? Explain.
- What was subsistence crisis ? Mention two factors responsible for this crisis ?
- Write a short note on the document 'Declaration of the Rights of Man and citizen.'
- How was the Church responsible for the French Revolution ?

#### **Part-4 – Learning Homework**

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



# R.E.D. Group of Schools

## Chapter-wise Revision Assignment-5

Class: 9th ( NTSE)  
Ch. No. 2 (History)

Subject: Social Science  
Ch. Name: 2. Socialism in Europe and  
The Russian Revolution

### Part-1 – for Vocabulary skills

**Q.1. Define the following Key Terms:**

- |                    |                    |                        |
|--------------------|--------------------|------------------------|
| (i) Liberals       | (ii) Radicals      | (iii) Conservatives    |
| (iv) Suffragette   | (v) Transformation | (vi) Industrialisation |
| (vii) Nationalists | (viii) Socialism   | (ix) Orthodox          |
| (x) Accomodation   |                    |                        |

### Part-2 – Reading skills

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

Karl Marx (1818-1883) and Friedrich Engels (1820-1895) added other ideas to this body of arguments. Marx argued that industrial society was 'capitalist'. Capitalists owned the capital invested in factories, and the profit of capitalists was produced by workers. The conditions of workers could not improve as long as this profit was accumulated by private capitalists. Workers had to overthrow capitalism and the rule of private property. Marx believed that to free themselves from capitalist exploitation, workers had to construct a radically socialist society where all property was socially controlled. This would be a communist society. He was convinced that workers would triumph in their conflict with capitalists. A communist society was the natural society of the future.

**Answer the following Questions from the passage:-**

- (A) What was the ideology of Karl Marx?  
(B) How was the condition of workers in early 19th century in Europe?  
(C) Why Marx said that communist society was the natural society of the future?

### Part-3 – Application skills of Subject Tools & Concepts

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

**Maps:**

- a) Belarus  
b) Ukraine  
c) Armenia

**Diagram:**

- a) Make a diagram of the views of Radicals, Liberals and Conservatives

**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]: Vladimir Lenin, the Russian revolutionary politician and the founder of Russian Communist Party said that imperialism is the highest stage of capitalism.

Reason [R]: The colonies not only served as the major source for raw materials but also became the market for finished goods.

(ii) Assertion [A]: If there was no discrimination, the number of girls should be higher or as much as boys.

Reason [R]: Medical research shows that given similar circumstances, girl children survive much better than boys

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



**Q.6. Answer the following short answer questions**

1. Why did Kerenskii's Government become unpopular in Russia ?
2. Which event in Russian history is known as Bloody Sunday ?
3. What were the immediate consequences of the Russian Revolution ?
4. What was the basic principle of the Marxist theory ?
5. Why were socialists against private property and saw it as the root of all social ills ?

**Q.7. Answer the following Long Answer Type Questions**

- What were the significant changes in the Soviet Union after the death of Lenin ?
- Differentiate between the ideas of the liberals and radicals in Europe.
- Describe the circumstances which were responsible for the Russian Revolution.
- What was the global impact of the Russian Revolution ?
- During the 1905 Revolution what did the Russian Czar promise the common man?
- Trace the down fall of the Czar Rule .

#### **Part-4 – Learning Homework**

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



# R.E.D. Group of Schools

SESSION: 2024-25

CLASS – 9<sup>th</sup>

Subject: Computer Science

Text Book: Computer Applications (By SIMITA ARORA)

## 1. Syllabus Covered upto MAY END

- Chapter No.- 6 Chapter Name- Cyber Safety
- Chapter No.- 7 Chapter Name- OO.org Writer-I
- Chapter No.- 8 Chapter Name- OO.org Writer-II

## 2. List of all new concepts taught upto MAY END

- Cyber Safety –
  - Ways a website track us
  - Private and anonymous browsing
  - Confidentiality of information
  - Online safety – malwares and protection from malwares
  - Cyber crime
- Word processor –
  - Working in OO,org Writer
  - Creating and formatting document in OO.org Writer
  - Paragraph, Character and Page formatting
  - Bullets and Numbering, Spellcheck
- Insert graphics in document, Working with tables

## 3. Summer Holiday Homework:

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

## 4. Tools required for doing Homework:

- Text Book – Notebook – A4 Sheets – Resources as per project

## 5. Instruction/Guidelines for Reading Homework:

- **Section–A : Pre-Reading Homework**
  - Do the Pre-Reading of Chapter No. 9-OO.org Impress, 1-(Computer System)
  - Write all the difficult words & their meanings of above chapters in Computer Science NB.

## 6. Instruction/Guidelines for Written Homework:

- **Section–B :** Do the given Assignments on A-4 size sheet.
- **Section–C : Creative Project/ Models**  
**Create following Word processor Activity using MSWord/ OO.org Writer**
  - Topic: Roll no 1 to 8 (Create A Report Card format)
  - Topic: Roll no 9 to 16 (Create An advertisement on Any Electronic Device/Mobile Phone)
  - Topic: Roll no 17 to 24 (Bio-data)
  - Topic: Roll no 25 to 31 (Birthday Invitation Card Design)

## 7. Marking scheme for Computer Science homework: –

- **Section-A : Pre-Reading HW**
  - Difficult words & their meanings in N.B. **6 marks**
- **Section-B : Chapter wise Revision Assignments on A-4 sheets** **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-1

Class - 9<sup>th</sup>  
Ch. No. : 6

Subject: Computer Applications  
Ch. Name: Cyber Safety

### Part-1 – for Vocabulary skills

Q.1. Define the following Key Terms:

- |               |                    |                  |
|---------------|--------------------|------------------|
| (i) Proxy     | (ii) IP Address    | (iii) Malware    |
| (iv) Firewall | (v) Incognito Mode | (vi) Web browser |
| (vii) HTTPS   | (viii) User Agent  | (ix) Anonymous   |
| (x) Cookies   |                    |                  |

### Part-2 – Reading skills

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

Rishabh was visiting his aunt's house when he got a call from his friend that he had sent an important mail and other documents with it. He used a computer at a cyber cafe near his aunt's house, copied the mail and other documents on his pen drive. After he used this pen drive on his computer at home, his computer started behaving strangely. It suddenly hangs or reboot itself. Sometimes it takes ages to open a file.

**Answer the following Questions from the passage:-**

- (A) What could be the possible reason behind it?  
(B) How could this be avoided/prevented?  
(C) How can Vinita cure his computer now?

### Part-3 – Application skills of Subject Tools & Concepts

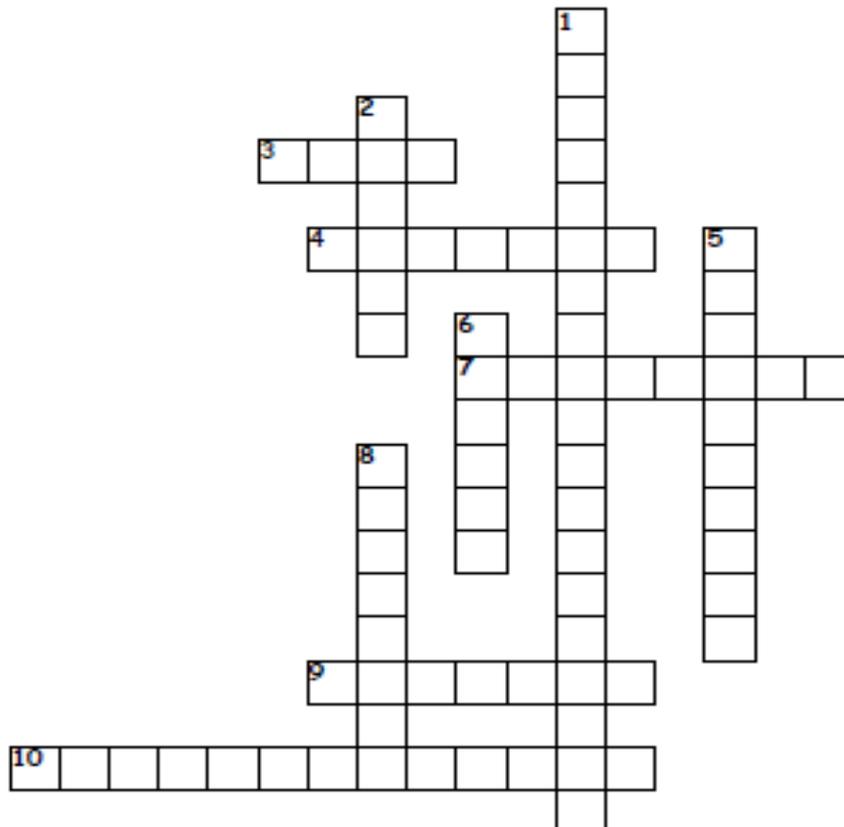
Q.3. Draw the Diagram/Picture/ Flow chart /Puzzles for the following Concepts

**Diagram/Picture:**

- a) Any 2 Antivirus Logos  
b) Any two popular Web-browsers

**Puzzle:**

- a)



**Across**

3. Any unsolicited e-mail, or junk mail
4. A tracking feature of internet browsers that shows all recent websites visited
7. A type of online fraud, where someone tries to trick the victim into revealing sensitive details, such as a username, password, or credit card details by masquerading as a trustworthy entity in electronic communication
9. Stands for malicious software or code, which includes any harmful code—trojans, worms, spyware, adware, etc.—that is designed to damage the computer or collect information
10. Willful and repeated harm through emails, text, and/or social media sites

**Down**

1. Computers maintaining a record of all website visits and e-mail messages, leaving a trail of the user's activity in cyberspace. These data can still exist even after the browser history has been cleared and e-mail messages have been deleted
2. Internet games that can be played by individuals or multiple players at the same time
5. Rules or manners for interacting courteously with others online (such as not typing a message in all capital letters, which is equivalent to shouting)
6. To send information from your computer to another computer
8. A security system usually made up of hardware and software used to block hackers, viruses, and other malicious threats to your computer

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

- (i) Assertion (A): We should not use a strong password to login into our computer system.  
Reason (R): A strong password helps to keep our personal information safe.
  - a) Both Assertion (A) and Reason (R) are true and Reason (R) is a correct explanation of Assertion (A).
  - b) Both Assertion (A) and Reason (R) are true but Reason (R) is not a correct explanation of Assertion (A).
  - c) Assertion (A) is true and Reason (R) is false.
  - d) Assertion (A) is false and Reason (R) is true.
- (ii) Assertion(A): A WORM is a self-replicating program which eats up the entire disk space.  
Reason (R): A WORM keeps on creating its copies until all the disk space or memory is filled.
  - a) Both Assertion (A) and Reason (R) are true and Reason (R) is a correct explanation of Assertion (A).
  - b) Both Assertion (A) and Reason (R) are true but Reason (R) is not a correct explanation of Assertion (A).
  - c) Assertion (A) is true and Reason (R) is false.
  - d) Assertion (A) is false and Reason (R) is true.

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

- (i) Refresh
- (ii) Bookmark

**Q.6. Answer the following Short Answer Type Questions**

1. What are Cookies? Differentiate between first party cookies and third-party cookies.
2. What should you keep in mind while choosing an effective password?
3. What anonymous and private browsing?
4. How to report a cyber-crime?
5. What are the different ways to use Internet without revealing search history?

**Q.7. Answer the following Long Answer Type Questions**

1. What do you mean by Malware? Explain various types of malwares.
2. What do you mean by confidentiality of information? What are the practices to ensure Confidentiality of information?
3. What are the ways a website tracks us?
4. What is cybercrime? Explain any two types of cybercrime.
5. What is virus? What are the effects caused by Virus on computer?

**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-2

Class - 9<sup>th</sup>  
Ch. No. : 7

Subject: Computer Applications  
Ch. Name: OO.org Writer-I

### Part-1 – for Vocabulary skills

Q.1. Define the following Key Terms:

(i) Word-wrap

(ii) Margin

(iii) Indentation

(iv) Alignment

(v) WYSIWYG

(vi) Header

(vii) Non-printing Characters

(viii) OLE

(ix) Editing

(x) Formatting

### Part-2 – Reading skills

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

Word Processor sometimes abbreviated as WP, a word processor is a software program capable of creating, storing, and printing typed documents. Today, the word processor is one of the most frequently used software programs on a computer, with Microsoft Word being the most popular word processor developed by Microsoft. It is one of the office productivity applications included in the Microsoft Office suite. Originally developed by Charles Simonyi and Richard Brodie, it was first re-released in 1983. Microsoft Word is available for Microsoft Windows, Apple macOS, Android, and Apple iOS. It can also run on the Linux operating system using WINE. Wine is a software program that enables users to run many Microsoft Windows applications under Linux. Word processors can create multiple types of files, including text files (.txt), rich text files (.rtf), HTML files (.htm & .html), and Word files (.doc & .docx). Some word processors can also be used to create XML files (.xml). Early versions of Microsoft Word primarily created and used the .doc file extension, while newer versions of Word create and use the .docx file extension. A word processor should not be confused with a text editor, such as Notepad, that only allows editing and creating plain text documents. Unlike a basic plaintext editor, a word processor offers several additional features that can give your document or other text a more professional appearance.

Answer the following Questions from the passage:-

(A) \_\_\_\_\_ is an example of text editor.

(B) \_\_\_\_\_ is an extension of a Word file.

(C) \_\_\_\_\_ is a software program that enables users to run many Microsoft Word under Linux.

### 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 and explain the different components of OO.org Writer Window.

b) **Flowchart:**

a) Write the steps to start OO.org Writer

**Puzzle:**

a) Find any 5 word relating to Word Processor.

X	D	F	U	U	N	R	X
F	R	H	O	I	S	V	B
I	Q	D	G	O	W	V	I
L	N	R	V	T	T	Z	T
X	A	H	E	A	D	E	R
M	B	H	P	J	K	W	R
G	N	I	T	I	D	E	B
W	O	R	D	W	R	A	P

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

- (i) Assertion (A): OO.org Writer is a Word Processing software.  
Reason (R): A Word processor allows a user to create and edit flawless textual document.
- 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): Margin and Indent are same.  
Reason (R): Margin is the space between content and paper's edge
- 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:**

- Exit
- Center Alignment

**Q.6. Answer the following Short Answer Type Questions**

- Why we prefer left alignment over justified alignment?
- What do you mean by Page orientation? How many types of page orientations are in Writer?
- What is the different between page margin and paragraph indentation?
- Why writer is called a WYSIWYG program?
- What do you mean by navigating a document?

**Q.7. Answer the following Long Answer Type Questions**

- Explain the different features of word processor.
- Write the steps to save file in OO.org Writer.
- What do you mean by margin? Explain different types of margins in OO.org Writer.
- Explain the three types of formatting in Word processor.
- What are non-printing characters? What are different symbols for non-printing Characters? How to display them in OO.org Writer?

**Part-4 – Learning Homework**

- Learning Homework:** Learn Q. Ans. of Ch-7 From Text Book/Notebook.



# R.E.D. Group of Schools

## Chapter-wise Revision Assignment-3

Class - 9<sup>th</sup>  
Ch. No. : 8

Subject: Computer Applications  
Ch. Name: OO.org Writer-II

### Part-1 – for Vocabulary skills

Q.1. Define the following Key Terms:

- |                 |                     |              |
|-----------------|---------------------|--------------|
| (i) Nested      | (ii) Merging        | (iii) Table  |
| (iv) Cell       | (v) Picture         | (vi) Replace |
| (vii) Hierarchy | (viii) Page Preview | (ix) Clipart |
| (x) Clipboard   |                     |              |

### Part-2 – Reading skills

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

Tript often uses a word processor to write to her friends. Every time she carries out a spell check, the word processor tells her that her best friend's name is mis-spelt. She knows that it is spelt correctly.

**Answer the following Questions from the passage:-**

- (A) Describe how could she avoid this message appearing.
- (B) Tript gets the same message each time she enters a Pincode. State what action Tript should take.
- (C) Why would the action Tript takes with regard to her friend's name differ from the action she would take with the Pincode ?

### Part-3 – Application skills of Subject Tools & Concepts

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

**Diagram/Picture:**

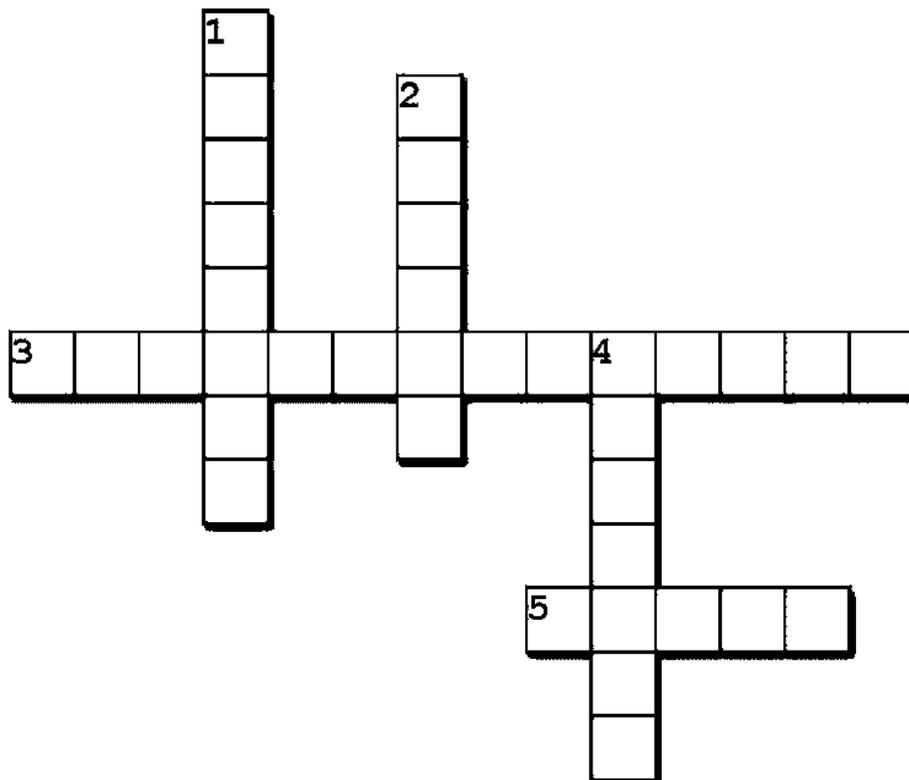
- a) Create a diagram of Find and Replace dialog box given on pg 167

**Flowchart:**

- a) Write the steps to replace a word with another word in OO.org Writer

**Puzzle:**

- a)



**Across**

3. Automatically check spelling and grammar as you type
5. A collection of Rows and Columns

**Down**

1. Feature to create artistic text
2. A list within another list
4. A collection of readymade pictures

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

- (i) Assertion (A): Bulleted list is a list having unordered set of items  
Reason (R): Bulleted list and Unnumbered list are same.
- a) Both Assertion (A) and Reason (R) are true and Reason (R) is a correct explanation of Assertion (A).
  - b) Both Assertion (A) and Reason (R) are true but Reason (R) is not a correct explanation of Assertion (A).
  - c) Assertion (A) is true and Reason (R) is false.
  - d) Assertion (A) is false and Reason (R) is true.
- (ii) Assertion(A): A cell is the smallest unit of a table  
Reason (R): A cell is made by intersection of a row and a column
- a) Both Assertion (A) and Reason (R) are true and Reason (R) is a correct explanation of Assertion (A).
  - b) Both Assertion (A) and Reason (R) are true but Reason (R) is not a correct explanation of Assertion (A).
  - c) Assertion (A) is true and Reason (R) is false.
  - d) Assertion (A) is false and Reason (R) is true.

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

- (i) Outline Help
- (ii) Replace

**Q.6. Answer the following Short Answer Type Questions**

1. What do you mean by previewing a document?
2. What do you mean by spell check of a document in a word processor?
3. What is the use of find and replace feature of Writer?
4. What are the advantages of Spell check?
5. Why do you think, grouping of objects is useful?

**Q.7. Answer the following Long Answer Type Questions**

1. When do you think, use of bulleted lists or numbered lists is more appropriate in a Writer document?
2. Expand the term WYSIWYG. Why writer is called a WYSIWYG program?
3. What do you mean by list? How many different types of lists can we create in Writer?
4. Write the steps to insert column in a table.
5. What is table? How many ways we can create table in writer? Write the steps to create a table.

**Part-4 – Learning Homework**

- **Learning Homework:** Learn Q. Ans. of Ch-8 From Text Book/Notebook.