



R.E.D. Group of Schools

Summer Holidays Homework

Session - 2022-23

Grade:9th

English Holidays Homework

“Learning is the only thing the mind never exhausts, never fears and never regrets”

Its vacation time again! It allows you to rejuvenate and catch up on hobbies and other interests that are best pursued with time. However, it is important to strike balance between leisure and learning. So, we have planned creative home assignments to enhance your learning, to keep your skills sharp and make your concepts clear. It helps you to develop vital skills such as independent research.

1. Guidelines for practice during vacation along with completion of Home Assignment:

- ❖ Maintain and improve reading skills as educational studies have shown that students reading skills deteriorate when reading is not done over a period of time. Improve your handwriting as well as writing skills.
- ❖ Enhance your imaginative spectrum and self-assessing skills. Give wings to your creativity and bring out your best. Develop observational as well as research skill.
- ❖ Read literature chapter thoroughly and increase fluency and vocabulary skills as new themes and vocabulary are introduced in the selected lessons.
- ❖ Revise your grammar topics to enhance your grammatical knowledge.
- ❖ Stay Home, Stay Safe. !

2. Learning Outcomes of the Holidays Homework:

- Connectivity with the Syllabus
- Increase Creativity
- Exploring Innate Talent
- Acquiring Skills
- Sense of Responsibility
- Importance of Dead Lines
- Sparing time for Extra Curricular Activities
- Mastering Problem-Solving Skills
- Improving Perseverance Levels
- Practice to be Perfect

3. Class-wise, Subject-wise Details for Home work for Vacation :-

Books Prescribed by School:

Beehive, Moments and Expressive English in Grammar

4. Syllabus Covered Upto May End

Beehive: Ch-1 (The Fun they Had), Ch-2 (The Sound of Music), Ch-3 (The Little Girl), Ch-4 (A Truly Beautiful Mind) Ch-5 (The Snake & The Mirror) Poem-1 (The Road Not Taken), Poem-2 (Wind) Poem-3 (Rain on the Roof), Poem-4 (The Lake Isle of Innisfree) Poem-5 (A Legend of the Northland)

Moments: Ch-1 (The Lost Child), Ch-2 (The Adventures of Toto), Ch-4(The Kingdom of Fools), Ch-5 (The Happy Prince)

- Grammar: Determiners, Tenses
- Writing Skill: Descriptive Paragraph

5. **Daily Time To Be Spent For Doing HW 30 Mins.**

6. **Tools Required For Doing Home Work**

- Notebook
- Charts
- Literature books and grammar book
- A4 sheets, pen, pencil etc.

7. **Instructions / Guidelines for Home Work:**

- Prepare a project on Figures of Speech explaining them with examples on A4 sheets. Find out the examples of various figures of speech from the poems you have read so far in your syllabus.

8. **Project Work: Power point Presentation.**

Read any real book or e- book and summarize it in the form of Power Point presentation. Slides must be in the following order:

- General information about the book
- Author's description
- Characters description
- Your favourite character from the story
- Summary of the story
- Theme/Plot of the story
- Moral of the story

Note: You can include different pictures related to the text in the slides. Presentation in form of the paragraph will not be accepted. It must be in points.

(Reading & Writing Skills)

9. **Describe any one of the following proverbs in your own words in the form of a paragraph / story.**

- No gain without pain
- All's well that ends well
- God helps those who help themselves
- Where there is will, there is a way

10. **Read any one of the following books and write review of the same in your own words.**

- The Chronicles of Narnia – C.S. Lewis
- A Tale of Two Cities – Charles Dickens
- The Goldfish – Donna Tartt
- Pride and Prejudice – Jane Austen
- The Ultimate Gift-Jim Corwell

11. **Date of Submission of Home Work: 01 July, 2022**

12. **Sr. No. Checkpoints for Assessments of Home work**

Sr. No.	Checkpoints for Assessments of Home work	Remarks
1	Index	Updated /Not updated
2	Quality of Handwriting Presentation	Good /Avg./ Poor
3	Quality of Creative Writing	Good /Avg./ Poor
4	Quality of Project Work	Good /Avg./ Poor
5	Quality of Reading & Comprehension skills	Good /Avg./ Poor
6	Whether Learning work done or not	Done/ Not done
7	Whether H.W is fully completed	Yes/ No
8	Whether H.W is partly pending	Yes/ No

13. **Do the following assignments in your English notebook.**



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Revision Assignment for Holidays Homework

Day & Date:

Class: 9th

Chapter No. 2, Poem No. 5

Chapter Name: The Sound of Music, The Legend of The Northland

Grammar : Determiners

Writing Skill : Descriptive Paragraph and Story Writing

Revision Assignment-1

Subject: English

Duration- 30 Mins.

Section-A (Reading)

Q-1 Read the extract given below and answer the questions that follow: (1×4=4)

*Once, when the good Saint Peter
Lived in the world below,
And walked about it, preaching,
Just as he did, you know*

- Which line shows that St. Peter is not alive today?
- Who was St. Peter?
- What does the line "Lived in the world below," mean?
- What did St Peter do when he 'Lived in the world below'?

Section-B (Writing)

Q-2 Do any one. (5)

a) Write a paragraph about your favourite hill station.

or

b) Write a paragraph on your favourite personality.

Section-C (Grammar)

Q-3 Fill the blanks with suitable determiners: (1×5=5)

- _____ stray animals have become _____ big nuisance on city roads.
- I have neither seen _____ elephant nor _____ camel.
- The other day, Paresh met _____ European _____ Canadian, _____ American and _____ Japanese.
- _____ accident occurred at _____ crossing.
- _____ inter-school drama competition will be held in _____ auditorium.

Section-D (Literature)

Q-4 Answer the following questions. (2×3=6)

- Do you think that the old lady would have been so ungenerous if she had known who Saint Peter really was? What would she have done then?
- What were Evelyn's feelings as she stood on the platform waiting for the London underground?
- Where was the shehnai played traditionally? Why?



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Revision Assignment for Holidays Homework

Day & Date:

Class: 9th

Chapter No. 3 & 4, Poem No. 1

Chapter Name: The Little Girl, A Truly Beautiful Mind, The Road not Taken

Grammar : Tenses

Writing Skill : Descriptive Paragraph and Story Writing

Revision Assignment-2

Subject: English

Duration- 30 Mins.

Section-A (Reading)

Q-1 Read the extract given below and answer the questions that follow: (1×4=4)

*“Two roads diverged in a yellow wood,
And sorry, I could not travel both
And be one traveller, long
I stood And looked down one as far I could;
To where it bent in the undergrowth,”*

- What did the narrator see in the wood?
- Why did the poet stand there for “long”?
- The poet here is using “roads” as symbols of_____.
- Write the synonym of ‘diverged’.

Section-B (Writing)

Q-2 Do any one. (5)

- Write a paragraph about the Prize Distribution Ceremony held in your school recently.

Or

- Write a paragraph about Sports Day Celebration recently held in your school.

Section-C (Grammar)

Q-3 Fill the blanks with suitable form of verbs given in the brackets: (1×5=5)

- My sister_____ (speaks/spoke) English and French fluently.
- We _____ (wait) for Rajeev for more than an hour now.
- My parents _____ (has/have) recently _____ (celebrate) their fifteenth anniversary.
- The girl _____ (drown) when the boatmen saw her.
- The king _____ (leave) before the prince came.

Section-D (Literature)

Q-4 Answer the following questions. (2×3=6)

- Does one road seem to be more appealing than the other? Use examples from the poem to support your answer.
- What was Kezia’s father’s routine before going to office and after coming back in the evening?
- What did Einstein’s mother think him to be? Why?



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Revision Assignment for Holidays Homework

Day & Date:

Class: 9th

Chapter No. 4 (Moments), 5 (Moments), Poem No. 2

Chapter Name: The Kingdom of Fools, The Happy Prince, Wind, The Snake and the Mirror

Grammar : Tenses

Writing Skill : Descriptive Paragraph and Story Writing

Revision Assignment-3

Subject: English

Duration- 30 Mins.

Section-A (Reading)

Q-1 Read the extract given below and answer the questions that follow: (1×4=4)

There, look what you did-you threw them all down

You tore the pages of the books.

You brought rain again.

You are very clever at poking fun at weaklings

- (a) Whom are these lines addressed to? What is the figure of speech?
- (b) What kind of destruction does wind cause when it blows hard?
- (c) What word is repeated and why?
- (d) What does the wind symbolise?

Section-B (Writing)

Q-2 Do any one. (5)

a) Write a paragraph about your 'Dream Home'.

Or

b) Write a paragraph on 'My Ambition in Life'.

Section-C (Grammar)

Q-3 Fill the blanks with suitable form of verbs given in the brackets: (1×5=5)

- i) My friend _____ (purchase) the tickets before the distribution closed.
- ii) The officials _____ (visit) the school in the morning.
- iii) In another ten years, bullet trains _____ (become) a common sight.
- iv) After he finished his exams, he _____ on a foreign tour. (went / had gone)
- v) If I had gone to university, I _____ medicine. (would study / will study / would have studied)

Section-D (Literature)

Q-4 Answer the following questions. (2×3=6)

- a) What are the two strange things the guru and his disciple find in the kingdom of fools?
- b) Why was the statue of the Happy Prince weeping?
- c) What circumstances prompted the doctor to live in a small, poor house?



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Revision Assignment for Holidays Homework

Day & Date:

Class: 9th

Chapter No. 4 (Moments), Ch. No. 6 (Beehive), Poem No. 3

Chapter Name: The Lake Isle of Innisfree, The Kingdom of Fools, The Happy Prince, Rain on the Roof

Grammar : Determiners

Writing Skill : Descriptive Paragraph and Story Writing

Revision Assignment-4

Subject: English

Duration- 30 Mins.

Section-A (Reading)

Q-1 Read the extract given below and answer the questions that follow: (1×4= 4)

*When the humid shadows hover
Over all the starry spheres
And the melancholy darkness
Gently weeps in rainy tears,
What a bliss to press the pillow
Of a cottage-chamber bed
And lie listening to the patter
Of the soft rain overhead!*

- (a) What does the phrase “humid shadows” refer to?
- (b) What are “starry spheres”? Which literary device is used in this phrase?
- (c) Why does the poet call the darkness melancholy?
- (d) Write the synonym of ‘patter’

Section-B (Writing)

Q-2 Do any one. (5)

- a) Write a paragraph about your favorite hobby that you like to do in your leisure time.
- or
- b) Write a paragraph on the advantages of E-learning.

Section-C (Grammar)

Q-3 Fill the blanks with suitable determiners: (1×5=5)

- (i) I would like _____ butter. (some / any / many)
- (ii) Have we got _____ oil? (any / some / many)
- (iii) I didn't eat _____ because I was not hungry. (much / many / some / any)
- (iv) _____ criminals are non-violent. (Most / Much / Any)
- (v) _____ people remember him today. (Few / Little / Much)

Section-D (Literature)

Q-4 Answer the following questions. (2×3=6)

- a) Describe The Lake Isle of Innisfree as seen through the eyes of the poet.
- b) Why does the writer say that ‘one bright day a thief broke into a rich merchant’s house’? What is strange about this statement?
- c) What did the Prince expect the young playwright to do with the sapphire? Did the swallow willingly agree to the Prince’s request?



R.E.D. GROUP OF SCHOOLS

Summer Holidays HW (2022-23)

CLASS -9th

Subject: Hindi

Text Book: NCERT

“सीखना अनवरत चलने वाली प्रक्रिया है। यह एकमात्र ऐसी चीज है जिससे मन कभी थकता नहीं है, और कभी पछताता नहीं है।”

ग्रीष्मकालीन समय बच्चों के लिए खुशी और मनोरंजन का समय होता है। लंबे समय की प्रतीक्षा के पश्चात गर्मी की छुट्टियाँ होने जा रही हैं। यह समय आपको फिर से जीवंत करने और अन्य रुचियों को पूरा करने का अवसर देता है, जिन्हें समय के साथ अच्छे ढंग से पूरा किया जा सकता है। हालांकि, अवकाश और सीखने के बीच संतुलन बनाना महत्वपूर्ण है। इसी को ध्यान में रखते हुए हमने गृहकार्य की रूपरेखा ऐसे तैयार की है जिससे आपके सीखने की क्षमता बढ़े और आपको विषय से संबंधित अवधारणाएँ (Concepts) स्पष्ट हो। ग्रीष्मावकाश गृहकार्य से आपको नई चीजों को सीखने व अपने अंदर छिपी प्रतिभा/कौशल को पहचानने व उसमें वृद्धि करने का अवसर मिलेगा।

1. **गृहकार्य के पूरा होने के साथ-साथ अवकाश के दौरान अभ्यास के लिए दिशा-निर्देश :**

- पठन व लेखन कौशल में वृद्धि करें।
- कल्पनाशीलता, आत्म-मूल्यांकन, रचनात्मकता और विश्लेषण-कौशल को बढ़ाएँ।
- जैसे-जैसे नए विषय और शब्दावली पाठ में आते हैं, उन्हें समझें व शब्दों का सही उच्चारण करके शब्द भंडार में वृद्धि करें।
- वाक्य-संरचना और व्याकरण-कौशल का सही उपयोग करें।
- कोरोना-संबंधी दिशा-निर्देशों का पालन करें।
- घर पर रहिए, सुरक्षित रहिए।

2. **कक्षानुसार, विषयानुसार, ग्रीष्मावकाश गृहकार्य कक्षा : नौवीं , विषय : हिंदी**

पाठ्य पुस्तक – क्षितिज भाग-1, पूरक पुस्तक – कृतिका भाग-1, व्याकरण पुस्तक – व्याकरण प्रकाश

3. **मई माह तक का पाठ्यक्रम-**

- क्षितिज : पाठ-1 – दो बैलों की कथा
पाठ-9 – साखियाँ और सबद
- कृतिका : पाठ-2 – मेरे संग की औरतें
- व्याकरण-उपसर्ग-प्रत्यय, अपठित बोध, पत्र

4. **नई अवधारणाएँ (New Concepts)**

- कहानी का मूलभाव लिखना।
- मूल शब्द, उपसर्ग व प्रत्यय अलग-अलग करना।
- संवाद लेखन
- योगासन के महत्व
- कबीरदास की साखियों का मूलभाव

5. **प्रतिदिन गृहकार्य के लिए दिया जाने वाला समय-30 मिनट**

ग्रीष्मावकाश गृहकार्य –

6. आप अपनी पाठ्य पुस्तक क्षितिज में पाठ 'दो बैलों की कथा' को पूरा पढ़िए। उसके पश्चात 'पशु प्रताड़ना : उचित या अनुचित' विषय पर अपने विचार संवाद के माध्यम से अपने मित्र से सांझा कीजिए।
7. आप अपनी पाठ्य पुस्तक क्षितिज में से किन्हीं 5 साखियों को सस्वर गायन हेतु कंठस्थ कीजिए।
 - कबीरदास की प्रत्येक साखी में निहित भावार्थ अपने शब्दों में स्पष्ट कीजिए।
 - कबीरदास के जीवन परिचय व भाषा शैली पर प्रकाश डालिए।
 - कबीरदास की साखियाँ सामाजिक जीवन में किस प्रकार अपना संबंध स्थापित करती हैं?
8. **हिंदी साहित्य के सुप्रसिद्ध लेखक/लेखिका की निम्नलिखित कहानियों में से किन्हीं 2 कहानियों को पढ़कर उनके भावार्थ को अपने शब्दों में लिखिए। (नोट :- गतिविधि उत्तर-पुस्तिका में करें)**
निर्देश :-

- कहानी के मुख्यपात्र
 - कहानी का सार
 - कहानी से मिलने वाली सीख
(क) कफन (प्रेमचंद)
(ख) हींगवाला (सुभद्रा कुमारी चौहान)
(ग) पुरस्कार (जयशंकर प्रसाद)
(घ) पूस की रात (प्रेमचंद)
- उपरोक्त कहानियाँ इंटरनेट से पढ़ सकते हैं।**

9. योगासन व उनका महत्व (नोट :- A-4 सीट का प्रयोग करें)
निर्देश :-

- योगासन परिचय
- योगासन करने की विधि
- योगासन से होने वाले लाभ
- योगासन करते समय ध्यान रखने योग्य सावधानियाँ
- योगासनों का महत्व

10. निम्नलिखित शब्दों से मूल शब्द, उपसर्ग व प्रत्यय अलग-अलग कीजिए। (नोट :- गतिविधि उत्तर-पुस्तिका में करें)
परिपूर्णता, बेकारी, बददिमागी, प्रतिकूलता, निश्चितता, निर्दयी, स्वदेशी, अभिमानी, अनुदारता, असफलता

11. क्षितिज व कृतिका के पाठों के शब्दार्थ व प्रश्नोत्तर याद कीजिए।
12. अभ्यास हेतु पुनरावृत्ति-कार्यपत्र 1 से 4 हल कीजिए।

परियोजना कार्य

13. कोरोना : एक महामारी पर 7-8 शीट पर निम्नलिखित बिंदुओं का प्रयोग करते हुए एक परियोजना कार्य चित्र सहित तैयार कीजिए। जैसे :-

- 'कारोना' वायरस : परिचय
- कोरोना वायरस से प्रभावित देश-दुनिया का जन-जीवन
- कोरोना वायरस के दौरान डॉक्टरों/नर्सों की भूमिका
- समाज पर इसका नकारात्मक प्रभाव
- लॉकडाउन का सकारात्मक प्रभाव

कहाँ करें – रंगीन A-4 Sheets पर कैसे करें – सुंदर लेख में, अशुद्धियों का ध्यान रखते हुए, चित्रों का प्रयोग करके, मूल्यांकन बिंदु – विषय-वस्तु, प्रस्तुतीकरण, आकर्षक चित्र, परिष्कृत व परिमार्जित लेख।

14. कार्यपत्र पूर्ण करने हेतु सहायक दृश्य-श्रव्य सामग्री दो बैलों की कथा – <https://youtu.be/L0lZ6DOfhOo>
साखियाँ और सबद – <https://youtu.be/Aoj0I5E-fb8>
उपसर्ग और प्रत्यय – <https://youtu.be/6YqkcBxsDbY>

15. गृहकार्य पूर्ति हेतु आवश्यक सामग्री

- गतिविधि उत्तर पुस्तिका
- रंगीन A-4 Sheets

• NCERT Books

16. गृहकार्य के लिए दिशा-निर्देश :

- ग्रीष्मावकाश गृहकार्य करने हेतु अलग से गतिविधि उत्तर-पुस्तिका लगाएँ।
- कार्य स्पष्ट एवं सुंदर लेख सहित हो।
- अधिगम कार्य करते हुए जटिल शब्दों का कम-से-कम पाँच-पाँच बार उच्चारण करें एवं लिखकर देखें।
- मात्राओं के शुद्ध उच्चारण पर बल दें।

❖ परियोजना कार्य रंगीन A-4 Sheets पर बनाएँ।

17. गृहकार्य जमा करवाने की तिथि :- 1 जुलाई, 2022

18. गृहकार्य – मूल्यांकन हेतु जाँच बिंदु :-

क्रमांक	गृहकार्य – मूल्यांकन हेतु जाँच बिंदु	टिप्पणी
1.	अनुक्रमणिका पृष्ठ	पूर्ण है / पूर्ण नहीं है
2.	लिखावट प्रस्तुतीकरण की गुणवत्ता।	अच्छी है / सामान्य है / खराब है
3.	रचनात्मक लेखन की गुणवत्ता।	अच्छी है / सामान्य है / खराब है
4.	पढ़ने और समझने के कौशल की गुणवत्ता।	अच्छी है / सामान्य है / खराब है
5.	परियोजना कार्य की गुणवत्ता	अच्छी है / सामान्य है / खराब है
6.	याद करने का कार्य	पूर्ण है / पूर्ण नहीं है
7.	गृहकार्य पूर्ण है अथवा नहीं।	पूर्ण है / पूर्ण नहीं है

ग्रीष्मावकाश पुनरावृत्ति-कार्यपत्र का प्रारूप :-

कार्यपत्र को चार भागों में बाँटा गया है। -

खंड	विषय वस्तु	उद्देश्य	दिशा-निर्देश
खंड-क	अपठित बोध	विद्यार्थियों में चिंतन कौशल, अभिव्यक्ति कौशल, विचारों की सुसंबद्धता को बनाए रखने का गुण विकसित होगा	कार्यपत्र PreMid परीक्षा को ध्यान में रखकर बनाए गए हैं। विद्यार्थी पाठ को पढ़कर, समझें व दिए गए links से पाठ से संबंधित अतिरिक्त जानकारी भी प्राप्त करें।
खंड-ख	व्यावहारिक व्याकरण	इससे उचित वाक्य संरचना, उपयुक्त प्रारूप को समझने का गुण विकसित होगा	
खंड-ग	पाठ्य पुस्तक	इससे केन्द्रीय विचार को समझना व उच्च चिंतन क्षमता का गुण विकसित होगा	
खंड-घ	लेखन कौशल	इससे शुद्ध वर्तनी, सुपाठ्य लेख, सृजनात्मक लेखन की आदत विकसित होगी	



R.E.D GROUP OF SCHOOLS

Revision Assignment for Holidays Homework

Class- 9th
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Duration- 30 Mins.
Text Book: NCERT

दिशा-निर्देश

❖ पुनरावृत्ति कार्यपत्र में 4 खंड हैं

- **खंड-क**
5 प्रश्न (प्रत्येक का 1 अंक – 5 अंक)
- **खंड-ख व्याकरण**
7 प्रश्न (प्रत्येक का 1 अंक – 7 अंक)
- **खंड-ग**
i) पठित पाठ के आधार पर 25-30 शब्दों में 4 प्रश्न (प्रत्येक का 2 अंक – 8 अंक)
ii) पठित पाठ से चयनित 5 शब्दावली (प्रत्येक का 1 अंक – 5 अंक)
- **खंड-घ** सृजनात्मक और रचनात्मक लेखन (5 अंक)

पाठ-1 (दो बैलों की कथा)

खंड-‘क’ (अपठित बोध)

प्रश्न-1 निम्नलिखित गद्यांश को पढ़कर पूछे गए प्रश्नों के उत्तर के लिए सही विकल्प चुनिए।

(5)

भारतीय त्योहारों का जो पहलू उन्हें कारोबार से जुड़ता है कि वह पकवानों-मिठाइयों से उनका नाता है। हर त्योहार पर खास किस्म की मिठाइयाँ और लजीज पकवान परोसना जरूरी माना जाता है। पहले ज्यादातर लोग ऐसे मिठाइयाँ घरों में बनाते थे लेकिन आज लोग इसके लिए बाजारों पर आश्रित हैं।

एक दौर था जब बाजार की बनी मिठाई स्वाद के साथ शुद्धता में भी घर पर बनी मिठाई के करीब होती थी लेकिन अब इसकी गारंटी कम ही ली जा सकती है। अब तो इस बात का अधिक खतरा रहता है कि कहीं इनमें मिलावट न की गई हो। दाल, अनाज, दूध, दही आदि से लेकर सब्जी और फल तक कोई भी चीज़ मिलावट से अछूती नहीं है। दीपावली जैसे त्योहारों के मौके पर हर शहर से मिलावटी खोया, पनीर व नकली मिठाइयों की धरपकड़ की खबरें आती हैं। मिठाइयों में मिलावट का सिलसिला नकली व सिंथेटिक दूध से शुरू होता है। बेईमान लोग दूध के नाम पर यूरिया, सोडा, पोस्टर कलर, रिफाइंड तेल से बने मिक्सर लोगों को पिलाते हैं। इसी साल उत्तर प्रदेश में जाँच से यह आँकड़ा सामने आया है कि राज्य की 25 प्रतिशत लोग घटिया मिलावटी दूध पी रहे हैं। दूसरे राज्यों में भी स्थिति बेहतर नहीं है। असल में खाने-पीने की वस्तुओं में मिलावट इतनी बारिकी से की जाती है कि असली-नकली की पहचान करना आसान नहीं है। नकली पकवानों से सबसे अधिक खतरा हमारी सेहत को है। चिकित्सक आगाह करते हैं कि मिलावटी मिठाई खाने से उल्टी, पेट दर्द व गैस की समस्याएँ होना आम बात है।

(i) त्योहारों का विशेष नाता किससे होता है ?

- क) मिठाई ख) पानी ग) समस्या घ) सेहत

(ii) गद्यांश का उचित शीर्षक दीजिए ।

- क) मिठाई ख) कारोबार ग) त्योहारों पर मिलावट घ) त्योहार

(iii) आज कल मिलावटी मिठाइयों से किस बात का खतरा बना रहता है ?

- क) मिलावट ख) सेहत ग) त्योहारों पर मिलावट घ) क और ख

(iv) मिलावटी मिठाइयों को बनाने के पीछे क्या उद्देश्य रहता है?

- क) लालच ख) मुनाफ़ा ग) समाज कल्याण घ) क और ख

(v) 'बेईमान में प्रयुक्त उपसर्ग बताइए

- क) बे ख) बेई ग) मान घ) इनमें से कोई नहीं

खंड-‘ख’ (व्याकरण)

प्र०-2 निम्नलिखित प्रश्नों के उत्तर के लिए सही विकल्प चुनिए।

(1×7 = 7)

(i) 'मुखरित' शब्द में कौन-सा प्रत्यय है?

- क) ईत ख) इत ग) मुखर घ) मुख

(ii) 'आनुपातिक' शब्द में कौन-सा मूल शब्द है ?

- क) अनुपात ख) पात ग) पातिक घ) उपर्युक्त सभी

- (iii) 'बे' उपसर्ग किस शब्द में नहीं है?
 क) बेदम ख) बेनाम ग) बेलगाम घ) बेलन
- (iv) 'दुष्कर' शब्द में कौन-सा सही उपसर्ग है ?
 क) दु ख) दुर् ग) दुष् घ) दुह
- (v) 'वियोग' शब्द में प्रयुक्त सही उपसर्ग का चयन कीजिए।
 क) वि ख) वी ग) ई घ) योग
- (vi) 'स्वागत' शब्द में कौन-सा उपसर्ग है ?
 क) सु ख) स्वा ग) गत घ) स्व
- (vii) 'संवेदना' शब्द में सही उपसर्ग का चयन कीजिए।
 क) सम ख) सम् ग) संवेद घ) ना

खंड- 'ग' (पाठ्य पुस्तक)

प्र०-3 निम्नलिखित प्रश्नों के उत्तर दीजिए।

(2×4 = 8)

- क) छोटी बच्ची हीरा मोती को रोटियाँ क्यों खिलाती थी ?
 ख) झूरी के घर आने पर दोनों बैलों का स्वागत कैसे हुआ ?
 ग) हीरा मोती दड़ियल के किस व्यवहार से भयभीत थे ?
 घ) कहानी में बैलों के माध्यम से कौन-कौन से नीति-विषयक मूल्य उभर कर आए हैं ?

प्र०-4 निम्नलिखित शब्दों के अर्थ लिखिए।

(1×5 = 5)

- क) पगहिया ख) नगीच ग) भीत
 घ) मसलहत ङ) साबिका

खंड- 'घ' (रचनात्मक लेखन)

प्र०-5 अपने क्षेत्र में बिजली के खंभों पर लटकती अतिरिक्त तारों की ओर ध्यान आकर्षित करते हुए बिजली विभाग के प्रमुख अधिकारी को पत्र लिखिए। **(5)**



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Class- 9th
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Revision Assignment- 2

Duration- 30 Mins.
Text Book: NCERT

पाठ-2 (मेरे संग की औरतें)

खंड-‘क’ (अपठित बोध)

प्र०-1 . निम्नलिखित अपठित गद्यांश के आधार पर प्रश्नों के उत्तर दीजिए।

(5)

आगाखॉ महल में खाने-पीने की कोई तकलीफ नहीं थी। हवा की दृष्टि से भी स्थान अच्छा था। महात्मा जी का साथ भी था। किंतु कस्तूरबा के लिए यह विचार ही असह्य हुआ कि ‘मैं कैद में हूँ।’ उन्होंने कई बार कहा—‘मुझे यहाँ का वैभव कतई नहीं चाहिए, मुझे तो सेवाग्राम की कुटिया ही पसंद है।’ सरकार ने उनके शरीर को कैद रखा किंतु उनकी आत्मा को वह कैद सहन नहीं हुई। जिस प्रकार पिंजड़े का पक्षी प्राणों का त्याग करके बंधनमुक्त हो जाता है उसी प्रकार कस्तूरबा ने सरकार की कैद में अपना शरीर छोड़ा और वह स्वतंत्र हुई। उनके इस मूक किंतु तेजस्वी बलिदान के कारण अंग्रेजी साम्राज्य की नींव ढीली हुई और हिंदुस्तान पर उनकी हुकूमत कमजोर हुई।

कस्तूरबा ने अपनी कृतिनिष्ठा के द्वारा यह दिखा दिया कि शुद्ध और रोचक साहित्य के पहाड़ों की अपेक्षा कृति का एक कण अधिक मूल्यवान और आबदार होता है। शब्दशास्त्र में जो लोग निपुण होते हैं, उनको कर्तव्य-अकर्तव्य की हमेशा ही विचिकित्सा करनी पड़ती है। कृतिनिष्ठ लोगों को ऐसी दुविधा कभी परेशान नहीं कर पाती। कस्तूरबा के सामने उनका कर्तव्य किसी दीये के समान स्पष्ट था। कभी कोई चर्चा शुरू हो जाती तब ‘मुझसे यही होगा’ और ‘यह नहीं होगा’—इन दो वाक्यों में अपना ही फैसला सुना देती।

प्रश्न-(i) सुविधाओं के बीच भी कैदी होने का विचार किससे नहीं सहा जा रहा था ?

प्रश्न-(ii) वे अपनी स्पष्टवादिता किस तरह प्रकट कर देती थीं ?

प्रश्न-(iii) आगाखॉ के महल में क्या सुविधाएँ थीं, पर इनके बजाय कैदी को क्या पसंद था ?

प्रश्न-(iv) वह किस तरह अंग्रेजों की कैद से मुक्त हुई ? उनकी मुक्ति का अंग्रेजी शासन पर क्या असर पड़ा ?

प्रश्न-(v) ‘मुझसे यही होगा’ और ‘यह नहीं होगा’—रचना की दृष्टि से वाक्य का नाम बताइए।

खंड-‘ख’ (व्याकरण)

प्र०-2 (i) ‘अभिमान’ शब्द में किस उपसर्ग का प्रयोग हुआ है?

(1×7 = 7)

- | | | | |
|--|------------|------------|------------------|
| क) मान | ख) अभि | ग) अब | घ) अभ् |
| (ii) ‘अधजला’ में से मूल शब्द कौन-सा है ? | | | |
| क) अध | ख) जला | ग) अधि | घ) अ |
| iii) ‘अधिगम’ शब्द में कौन-सा उपसर्ग है ? | | | |
| क) गम | ख) अधि | ग) आई | घ) अध |
| iv) ‘भरपेट’ शब्द में मूल शब्द क्या है ? | | | |
| क) पेट | ख) भ | ग) रपेट | घ) भर |
| v) इनमें से कौन-सा शब्द ‘निष्’ उपसर्ग से नहीं बना है ? | | | |
| क) निष्फल | ख) निष्काम | ग) निष्कपट | घ) निराश |
| vi) ‘सम्’ उपसर्ग किस शब्द में है? | | | |
| क) संभव | ख) संबोधन | ग) संयोग | घ) उपर्युक्त सभी |
| vii) ‘अन’ उपसर्ग किस शब्द में नहीं है? | | | |
| क) अनपढ़ | ख) अनहोनी | ग) अनुराग | घ) अनजान |

खंड-‘ग’ (पाठ्य पुस्तक)

प्र०-3 निम्नलिखित प्रश्नों के उत्तर दीजिए।

(2×4 = 8)

- क) ‘मेरे संग की औरतें’ पाठ के आधार पर नानी के मूल्यों का आकलन कीजिए।
ख) दादी ने चोर का जीवन किस प्रकार बदल दिया?
ग) लेखिका की नानी अपने अंतिम समय में किस से मिलना चाहती थी और क्यों?
घ) लेखिका की बहन हीन भावना का शिकार नहीं हो पाई, इसका क्या कारण था?

प्र०-4 निम्नलिखित शब्दों के अर्थ लिखिए –

(1×5 = 5)

- क) रजामंदी ख) पत्थर की लकीर ग) फरमाबरदार घ) नज़ाकत

खंड-‘घ’ (रचनात्मक लेखन)

प्र०-5 आपका छोटा भाई कुसंगति में पड़ गया है कुसंगति की हानियाँ बताते हुए मुकेश की ओर से उसे पत्र लिखिए— (5)

अथवा

दिनोंदिन महँगाई बढ़ती जा रही है। ऐसे में आम आदमी का जीना मुश्किल होता जा रहा है। बढ़ती महँगाई की ओर सरकार का ध्यान आकर्षित कराने के लिए किसी दैनिक समाचार पत्र के संपादक को पत्र लिखिए।



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Revision Assignment-3

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पाठ-3 (साखियाँ और सबद) खंड- 'क' (अपठित बोध)

प्र०-1 निम्नलिखित अपठित गद्यांश के आधार पर प्रश्नों के उत्तर दीजिए -

(5)

भारत को यदि हम त्योहारों का देश कहें तो अनुचित नहीं होगा। हमारे देश में वर्ष भर त्योहारों की धूम मची रहती है। हर बदलते मौसम के साथ ही कोई न कोई त्योहार अवश्य मनाया जाता है। ये त्योहार एक ओर हमें ऋतु परिवर्तन का सन्देश देते हैं तो दूसरी ओर उसके स्वागत हेतु हममें उत्साह-उमंग का संचार करते हैं। कुछ त्योहार धार्मिक दृष्टि से महत्त्वपूर्ण हैं। ये सभी हमें एकता, प्रेम, भाई-चारा एवं सौहार्द का सन्देश देते हैं। जैसे भी हमारे देश में लगभग सभी धर्मों के निवासी हैं। भारत में सभी धर्मों को सम्मान प्राप्त है। सभी धर्मों के अनुयायियों को अपना धर्म पालन की पूर्ण स्वतंत्रता है। यही कारण है कि सभी त्योहारों को पूरा देश मिलजुलकर प्रसन्नता से मनाता है। हमारे देश के कुछ प्रमुख त्योहार हैं- होली, दीपावली, दशहरा, रक्षाबंधन, जन्माष्टमी, रामनवमी, ईद, क्रिसमस गुरुपूर्व, महावीर जयंती आदि। दीपावली यदि हलकी ठंडक के साथ आरम्भ होकर शीत ऋतु के आगमन की सूचना देता है तो रामनवमी ग्रीष्मऋतु की सूचना देता है। मकर संक्रांति एवं लोहड़ी का त्योहार शीत ऋतु की समाप्ति तथा वसंत ऋतु के आगमन का प्रतीक है। इस प्रकार हर त्योहार किसी न किसी ऋतु के साथ जुड़ा हुआ है। बच्चों के लिए मनाया जाने वाला त्योहार बाल-दिवस है जो हमारे स्वतंत्र देश के प्रथम प्रधानमंत्री चाचा नेहरू के जन्मदिन पर बच्चों को समर्पित है। हमारे तीन राष्ट्रीय त्योहार हैं। 1- स्वतंत्रता दिवस - यह 15 अगस्त को मनाया जाता है। सन् 1947 में हमें इसी दिन आजादी मिली थी। 2- गणतंत्र दिवस - सन् 1950 में हमें पूर्ण स्वाधीनता प्राप्त हुई थी, हमारा संविधान बना था। 3- गांधी जयंती - यह हमारे राष्ट्रपिता बापू को समर्पित है। इस प्रकार हमारा देश सचमुच त्योहारों का देश है।

प्रश्न-(i) दीपावली का त्योहार हमें किस ऋतु के आगमन की सूचना देता है ?

प्रश्न-(ii) हम स्वतंत्रता दिवस क्यों मनाते हैं ?

प्रश्न-(iii) हम गणतंत्र दिवस क्यों मनाते हैं ?

प्रश्न-(iv) गद्यांश का उचित शीर्षक बताइए।

प्रश्न-(v) हम बालदिवस क्यों मनाते हैं ?

खंड- 'ख' (व्याकरण)

प्र०-2 नीचे दिए गए समस्त पदों का विग्रह कर समास का नाम लिखिए।

(1×7 = 7)

- पुरुषोत्तम
- रसोईघर
- दिगंबर
- फूल-पत्ती
- यथारुचि
- त्रिवेणी
- प्रत्येक
- भरपेट

खंड- 'ग' (पाठ्य पुस्तक)

प्र०-3 निम्नलिखित प्रश्नों के उत्तर दीजिए।

(2×4 = 8)

क) हंस किसका प्रतीक है? वह अन्यत्र क्यों नहीं जाना चाहता?

ख) कबीर ने संसार को स्वान रूप क्यों कहा है?

ग) कबीर की साखी में 'विष' और 'अमृत' किसके प्रतीक हैं?

घ) 'मोट चून' और 'मैदा' का प्रतीक अर्थ क्या है तथा मोट चून मैदा कब बन जाता है?

प्र०-4 निम्नलिखित शब्दों के अर्थ लिखिए-

(1×5 = 5)

- काबा
- पखापखी
- केलि
- झख मारना
- सुभर

खंड- 'घ' (रचनात्मक लेखन)

प्र०-5 अपने विद्यालय में मनाए गए वृक्षारोपण समारोह की जानकारी देते हुए दैनिक समाचार पत्र के संपादक को पत्र लिखिए। (5)

अथवा

विदेश में रहने वाले मित्र को ग्रीष्मावकाश में भारत के पर्वतीय स्थल के भ्रमण हेतु आमंत्रित करते हुए पत्र लिखिए।



R.E.D GROUP OF SCHOOLS

Revision Assignment for Holidays Homework

Class- 9th
Subject : Hindi

Revision Assignment-4

Duration- 30 Mins.
Text Book: NCERT

पाठ-2 (मेरे संग की औरतें)
खंड-‘क’ (अपठित बोध)

प्र०-1 निम्नलिखित अपठित गद्यांश के आधार पर प्रश्नों के उत्तर दीजिए – (5)
परियोजना शिक्षा का एक बहुत ही महत्वपूर्ण अंग है। इसे तैयार करने में किसी खेल की तरह का ही आनंद मिलता है। इस तरह परियोजना तैयार करने का अर्थ है—खेल-खेल में बहुत कुछ सीख जाना। यदि आपको कहा जाए कि दशहरा पर निबंध लिखिए तो आपको शायद उतना आनंद नहीं आएगा। लेकिन यदि आपसे कहा जाए कि अखबारों में प्राप्त जानकारियों के अलावा भी आपको देश-दुनिया की बहुत सारी जानकारियाँ प्राप्त करनी हैं, यह आपको तथ्यों को जुटाने तथा उन पर विचार करने का अवसर प्रदान करती है। इससे आप में नए-नए तथ्यों के कौशल का विकास होता है। इससे आपमें एकाग्रता का विकास होता है। लेखन संबंधी नई-नई शैलियों का विकास होता है।

आपमें चिंतन करने तथा किसी पूर्व घटना से वर्तमान घटना को जोड़कर देखने की शक्ति का विकास होता है। परियोजना कई प्रकार से तैयार की जा सकती है। हर व्यक्ति इसे अलग ढंग से, अपने तरीके से तैयार कर सकता है। ठीक उसी प्रकार जैसे हर व्यक्ति का बातचीत करने का, रहने का, खाने-पीने का अपना अलग तरीका होता है। ऐसा निबंध, कहानी कविता लिखते या चित्र बनाते समय भी होता है। लेकिन ऊपर कही गई बातों के आधार पर यहाँ हम परियोजना को मोटे तौर पर दो भागों में बाँट सकते हैं—एक तो वे परियोजनाएँ, जो समस्याओं के निदान के लिए तैयार की जाती हैं और दूसरी, जो किसी विषय की समुचित जानकारी प्रदान करने के लिए तैयार की जाती हैं।

समस्याओं के निदान के लिए तैयार की जाने वाली परियोजनाओं में संबंधित समस्या से जुड़े सभी तथ्यों पर प्रकाश डाला जाता है और उस समस्या के निदान के लिए भी दिए जाते हैं। इस तरह की परियोजनाएँ प्रायः सरकार अथवा संगठनों द्वारा किसी समस्या पर कार्य-योजना तैयार करते समय बनाई जाती हैं। इससे उस समस्या के विभिन्न पहलुओं पर कार्य करने में आसानी हो जाती है। किंतु दूसरे प्रकार की परियोजना को आप आसानी से तैयार कर सकते हैं। इसे ‘शैक्षिक परियोजना’ भी कहा जाता है। इस तरह की परियोजनाएँ तैयार करते समय आप संबंधित विषय पर जानकारियाँ जुटाते हुए बहुत सारी नई-नई बातों से अपने-आप परिचित भी होते हैं।

प्रश्न-(i) उपर्युक्त गद्यांश के लिए उपयुक्त शीर्षक दीजिए।

प्रश्न-(ii) परियोजना क्या है? इसका क्या महत्व है?

प्रश्न-(iii) शैक्षिक परियोजना क्या है?

प्रश्न-(iv) परियोजना हमें क्या-क्या प्रदान करती है?

प्रश्न-(v) ‘संबंधित’ शब्द में उपसर्ग बताइए।

खंड-‘ख’ (व्याकरण)

प्र०-2 निम्नलिखित समस्त पदों का विग्रह करके समास का नाम लिखिए। (1×7 = 7)

क) गुरु-दक्षिणा

ख) महात्मा

ग) ऋण-मुक्त

घ) अपना-पराया

ड) पंचानन

च) त्रिफला

छ) अजन्मा

ज) भाई-बहन

खंड-‘ग’ (पाठ्य पुस्तक)

प्र०-3 निम्नलिखित प्रश्नों के उत्तर दीजिए। (2×4 = 8)

क) लेखिका 15 अगस्त 1947 का स्वतंत्रता समारोह देखने क्यों न जा सकी?

ख) ऊँचे कुल में जन्म लेने वाला श्रेष्ठ है या अच्छे कर्म करने वाला कारण सहित लिखिए।

ग) मनुष्य के मन से धार्मिक भेदभाव मिटने से क्या परिवर्तन हुए?

घ) ‘मेरे संग की औरतें’ पाठ के आधार पर लेखिका की माँ की विशेषताएँ लिखिए।

प्र०-4 निम्नलिखित शब्दों के अर्थ लिखिए— (1×5 = 5)

क) परिजात

ख) जस्न

ग) गोपनीय

घ) शिरकत

ड) असंगत

खंड-‘घ’ (रचनात्मक लेखन)

प्र०-5 आपका छोटा भाई प्रतीक पढाई में बहुत अच्छा है, किंतु उसका स्वास्थ्य ठीक नहीं रहता। उसे स्वास्थ्य की ओर ध्यान देने एवं खेलों में भाग लेने की प्रेरणा देते हुए पत्र लिखिए। (5)

अथवा

नगर पालिका कर्मचारी मरम्मत के नाम पर सड़क खोदकर चले गए हैं। कई महीने बीतने पर भी वह खोदी सड़क ज्यों की त्यों बनी है। ऐसे में किसी अनहोनी की आशंका व्यक्त करते हुए किसी समाचार पत्र के संपादक को पत्र लिखिए।



R.E.D. GROUP OF SCHOOLS

Summer Holidays HW (2022-23)

CLASS -9th

Subject: Maths

Text Book: NCERT

Part-I

Vision & Guidelines for Vacation Home work

Dear Students

Learning is the beginning of wealth.

Learning is the beginning of health.

Learning is the beginning of spirituality.

Searching and learning is where the miracle process all begins.

Holiday is the time that we all eagerly wait for. We all make plans to enjoy, to relax and to empower ourselves during these gala days. This summer vacation the Holiday Homework so designed by the mentors of the school is a medium for you all to achieve the motto of “Fun and Learn”

The activity based assignments will foster curiosity, develop creativity, enhance knowledge and instill the joy of learning among you all. They will certainly help you discover a new you who is more enriched and confident and performs every action to perfection.

As it is well recognized that R.E.D. Group of Schools not only focuses on academics but lay equal importance on Co-scholastic Competencies. The school also desires you to adhere to the following guidelines for a fulfilling break:

1. Guidelines for practice during vacation along with completion of Home Assignment:

- ❖ Apply the knowledge and skills acquired to solve mathematical problems in day today life and wherever possible, by more than one method.
- ❖ Neatness and presentation are common parameters for most of the activities assigned. Please maintain the quality of work done.
- ❖ Complete and submit the holiday homework timely.
- ❖ Holiday homework will be assessed on certain parameters and marks/grade will be awarded accordingly.
- ❖ Make sure that all syllabus done till June must be revised thoroughly as you begin your Pre-Mid from July.
- ❖ To score well in your upcoming exams strike a balance between your leisure time and studies.
- ❖ Read NCERT chapters thoroughly and increase fluency and vocabulary skills as new themes and vocabulary are introduced in the selected lessons.
- ❖ Enhance enquiry intelligence, prediction artistry, measuring art, observation techniques. Educational studies have shown that student reading skills deteriorate when reading is not done over a period of time.
- ❖ Refer different reference books for strengthening the conceptual knowledge.
- ❖ Highlight areas of doubt and clarify with the teacher after vacation.
- ❖ Abide by Corona Guidelines
- ❖ Stay Home, Stay Safe. !

❖ **Daily time to be spent for doing H.W 30 Mins.**

❖ **Date of submission of HW :1ST July, 2022**

2. SYLLABUS COVERED UPTO 31ST MAY

- ❖ Chapter-1- Number system
- ❖ Chapter-2- Polynomials

- ❖ Chapter-3- Coordinate geometry
- ❖ Chapter-4- Linear equation in two variables
- ❖ Chapter-5- Introduction to Euclid's geometry
- ❖ Chapter-6- Lines and angles

3. LIST OF ALL NEW CONCEPTS TAUGHT SO FAR

- ❖ Natural Numbers, Whole Numbers, Integers, Rational Numbers. Irrational Numbers.
- ❖ Real Numbers and their Decimal Expansions.
- ❖ Representing Real Numbers on the Number Line.
- ❖ Operations on Real Numbers.
- ❖ Laws of Exponents for Real Numbers.
- ❖ Polynomials in One Variable.
- ❖ Zeros of Polynomials.
- ❖ Remainder Theorem.
- ❖ Factorisation of Polynomials.
- ❖ Algebraic Identities.
- ❖ Coordinate Geometry
- ❖ Cartesian System including coordinate plane,
- ❖ Positive-negative directions,
- ❖ X-Y axes, Quadrants, Abscissa and Ordinate, and
- ❖ How to plot a point when coordinates are given.
- ❖ Basic introduction to linear equations in two variables,
- ❖ Solution of linear equations,
- ❖ The graph of linear equations,
- ❖ Equations of lines parallel to x-axes and y-axes.
- ❖ A brief history of geometry,
- ❖ Introduction to Euclid's geometry,
- ❖ Euclid's definitions, axioms, postulates, and
- ❖ Equivalent versions of Euclid's fifth postulate.
- ❖ Introduction to lines and angles,
- ❖ Basic terms related to them,
- ❖ Intersecting and non-intersecting lines,
- ❖ Pairs of angles,
- ❖ Parallel lines and a transversal,
- ❖ Angle sum property

4. CHECKPOINTS FOR ASSESSMENTS OF HOME WORK

Sr. No.	Checkpoints for Assessments of Home work	Remarks
1	Index	Updated /Not updated
2	Quality of Handwriting presentation	Good /Avg./ Poor
3	Quality of creative writing	Good /Avg./ Poor
4	Quality of Project work	Good /Avg./ Poor
5	Quality of Reading &Comprehension skills	Good /Avg./ Poor
6	Whether Learning work done or not	Done/ Not done
7	Whether H.W is fully Completed	Yes/ No
8	Whether H.W is partly Pending	Yes/ No

5. RESOURCES & TOOLS REQUIRED FOR DOING HOME WORK

- NCERT BOOK
- Notebook
- A4 Sheets
- Internet
- Card board
- Video links

Chapter No.	Chapter Name	Topic Name	Video Link
1	Chapter-1- Number system	<ul style="list-style-type: none"> ● Natural Numbers, Whole Numbers, Integers, Rational Numbers. ● Irrational Numbers. ● Real Numbers and their Decimal Expansions. ● Representing Real Numbers on the Number Line. ● Operations on Real Numbers. ● Laws of Exponents for Real Numbers. 	https://www.youtube.com/watch?v=qjrRZY_YWFeU https://www.youtube.com/watch?v=9hXbKz9g5T0 https://www.youtube.com/watch?v=FOYXbify_Pk https://www.youtube.com/watch?v=vQbwjlbJ0Vo
2	Chapter-2- Polynomials	<ul style="list-style-type: none"> ● Polynomials in One Variable. ● Zeros of Polynomials. ● Remainder Theorem. ● Factorisation of Polynomials. ● Algebraic Identities. 	https://youtu.be/bN711cP0MIU https://youtu.be/F87xn4Pgzrg https://youtu.be/WwTdAYWOYPs https://youtu.be/2gu2oyaNiHQ
3	Chapter-3- Coordinate geometry	<ul style="list-style-type: none"> ● Coordinate Geometry ● Cartesian System including coordinate plane, ● Positive-negative directions, ● X-Y axes, ● Quadrants, ● Abscissa and ● Ordinate, and ● How to plot a point when coordinates are given. 	https://www.youtube.com/watch?v=K_fsXE_BwRpg https://www.youtube.com/watch?v=K_fsXE_BwRpg https://www.youtube.com/watch?v=pfGFwIX-yAk
4	Chapter-4- Linear equation in two variables	<ul style="list-style-type: none"> ● Basic introduction to linear equations in two variables, ● Solution of linear equations, ● The graph of linear equations, ● Equations of lines parallel to x-axes and y-axes. 	https://youtu.be/tHm3X_Ta_iE https://youtu.be/nN9XCLVFgQE https://youtu.be/Zp02K4uGnw4
5	Chapter -5- Introduction to Euclid's geometry	<ul style="list-style-type: none"> ● A brief history of geometry, ● Introduction to Euclid's geometry, ● Euclid's definitions, axioms, postulates, ● Equivalent versions of Euclid's fifth postulate. 	https://www.youtube.com/watch?v=2KAO8xL_Bpg https://www.youtube.com/watch?v=S19YfoIjg_A
6	Chapter-6- Lines	<ul style="list-style-type: none"> ● Introduction to lines and angles, ● Basic terms related to them, 	https://youtu.be/DiZ2EhaTx3Y

and angles	<ul style="list-style-type: none"> • Intersecting and non-intersecting lines, • Pairs of angles, • Parallel lines and a transversal, • Angle sum property
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Part-2 Homework

6. DETAILS ABOUT HOME WORK

There are 5 sections (A to E). Section E has Revision Assignments from each chapter of the syllabus covered so far:—

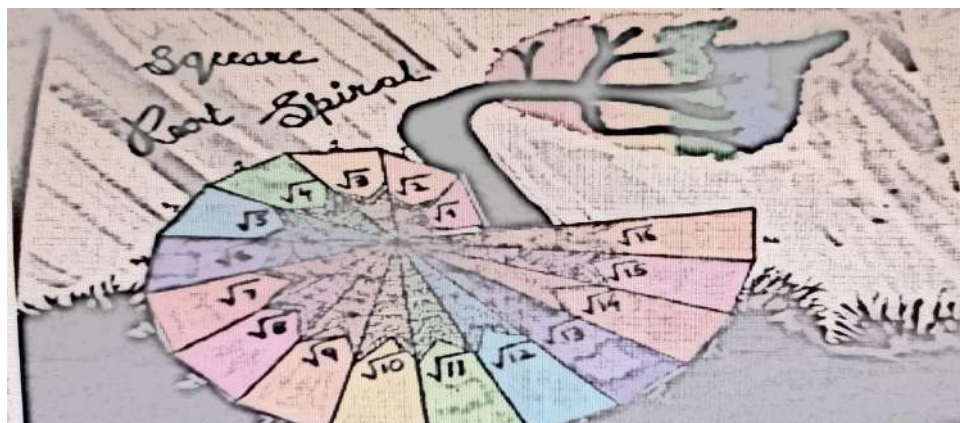
- **Section-A-** Creative corner (Preparing teaching aid, activity wise)
- **Section-B-** Crossword/puzzle
- **Section-C-** Problem solving based projects (One project).
- **Section-D-** Discovery about Coordinate Geometry.
- **Section-E-** Chapter wise revision assignment.

INSTRUCTIONS / GUIDELINES FOR SOLVING SECTION-WISE ASSIGNMENTS

Section-A Creative corner

1. Fun time

- **What to do:-** Number system- Square root Spiral activity.
Spiral activity integrated with arts. For example



- **Where to do:** A4 sheet with different colours.
- **Parameters:** Originality, Presentation and Creativity

2. **Mathematical Greetings:**

What to do:- Make a colourful A4 sheet on the following topic

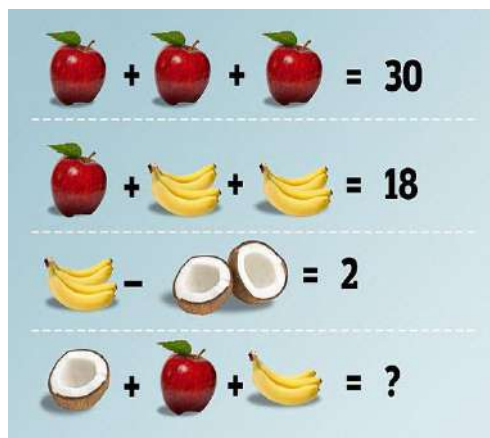
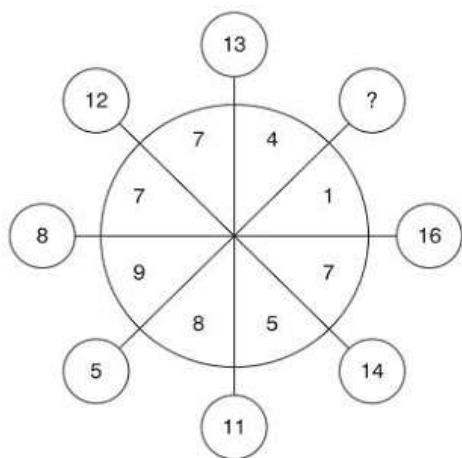
- Properties of Numbers
- Different types of Numbers
- Vocabulary related to Numbers
- Where to do: - Paste in Maths Project File

Section-B

Puzzle/Crossword (Chapter wise)

PUZZLE FROM "NCERT BOOK any one chapter"

Solve the pattern puzzle below. Find the missing number to replace the question



Section-C

Problem solving based Project (One project).

3. Knowing More about Euclid's Geometry:

- 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?

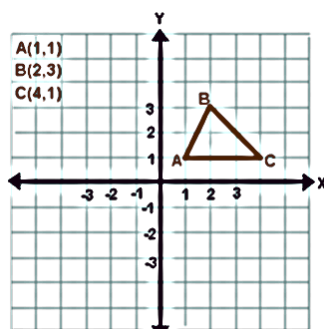
Section-D

Discovery about Coordinate Geometry (Enhance your knowledge using internet)

What is Coordinate Geometry?

Assume you are a teacher/professor. In a classroom full of students whom you've never met, how would you ask a particular student to stand up and answer your question? There may be many ways, few of them are:

1. Point your finger towards that student.
2. Walk towards his or her seat.
3. Say something like "the person sitting in the 4th row and 5th column", or "the person sitting in the left corner", or "the first student in the second last bench".
4. While method 1 is used quite often, it is not perfect for obvious reasons. However, if someone uses method 3 to point out a student (which is more precise), he or she is inadvertently using the principles of Coordinate Geometry.



Coordinate Geometry is nothing but naming a point (student, in our case) based on his position from the axis (walls, in our case).

A quick example:

Point A is one unit from the vertical line and one unit above the horizontal line, so it is denoted by (1,1). Same goes for points B and C as well.

How is it used in real life?

One of the most frequently used real life application is Google Maps:

When I instruct google maps to tell me the path from Airport to Whitefield, it basically:

Finds the shortest possible path (or paths).

Tells me the distance and time.

What are the real world applications of coordinate geometry?

The addressing system used in New York City (e.g. 47 W 13th St) — essentially a coordinate system, makes it easier to find the address compared to the traditional one where every street has its own name, as you do not have to remember where every street is.

You can also use the geographic coordinates provided by GPS to specify a location exactly.

The chess notation (e.g. e2-e4) uses a coordinate system to describe the moves succinctly and clearly.

Of course a similar notation is used, or could be used, for other grid-based games.

The numbering of seats in theaters and planes is basically a coordinate system — you have numbered rows, and numbered seats in each row.



R.E.D GROUP OF SCHOOLS

Revision Assignment for Holidays Homework

Class- 9th

Subject : Maths

Revision Assignment-1

Ch. No. & Name: 1 (Rational numbers)

Duration- 30 Mins.

For recapitulation & solving the assignment the students should refer to their Ch.1 of NCERT text book of Maths.

Section-I: Case Study

It was mathematics period in the class IX. Everybody was eagerly waiting for the arrival of his teacher. They were talking about yesterday class when the teacher had already said the class that the very next day he is going to study about rationalization. So, the teacher had warned the class to be prepared for the next class. Then the teacher entered and the class begins by the explanation of rationalization factor. The teacher taught the class that the addition, subtraction, multiplication and division of expressions containing square roots is convenient if their denominators are free from square roots. To make the denominators free from square roots multiply the numerator and denominator by an irrational number. This number is called rationalisation factor. The teacher gave some questions to clarify his explanation. They are as follows:

(a) In the rational number $\frac{3+\sqrt{7}}{3-\sqrt{7}}$ the rationalization factor is

(i) $3 - \sqrt{7}$

(iii) $3 + \sqrt{7}$

(ii) $\sqrt{3} + 7$

(iv) $7 - \sqrt{3}$

(b) The value of rational number $\frac{3+\sqrt{7}}{3-\sqrt{7}}$ is

(i) $-8 + \sqrt{7}$

(iii) $8 - \sqrt{7}$

(ii) $8 + 3\sqrt{7}$

(iv) $-8 + 3\sqrt{7}$

(c) The value of a in rational number $\frac{3+\sqrt{7}}{3-\sqrt{7}} = a + b\sqrt{7}$ is

(i) 8

(ii) $2\sqrt{2}$

(iii) 3

(iv) -8

(d) The value of b in rational number $\frac{3+\sqrt{7}}{3-\sqrt{7}} = a + b\sqrt{7}$ is

(i) 8

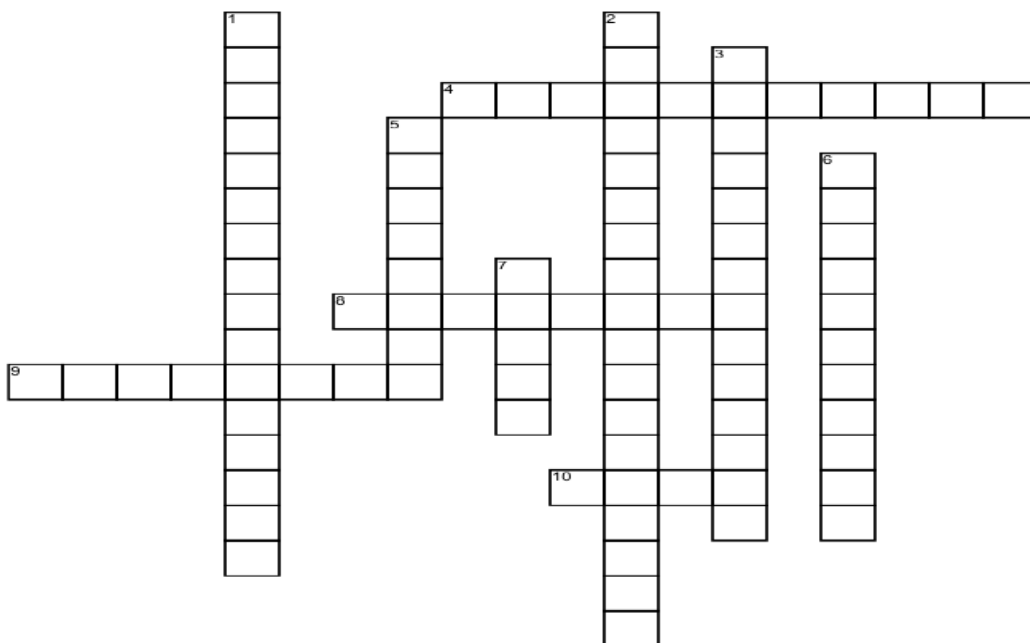
(ii) 3

(iii) $3\sqrt{7}$

(iv) -8

Section-II: Cross word problem

Chapter 1 Real Numbers



Across

4. The symbol used to indicate a positive square root.
 8. Any number or variable with one or more variables
 9. The number of times the base is used as a factor
 10. The Number that is going to be raised by a power.

Down

1. A number that can't be expressed as a fraction

2. A compact way of writing numbers with absolute values that are very large or very small.
 3. A number that can be expressed as a fraction
 5. One of the three equal factors of a number
 6. A rational number whose cube root is a whole number
 7. A product of repeating factors using an exponent and a base.

Section-III: Subject terminology and remembering skills

3. **Define the following-**

- (i) Rational numbers (ii) Irrational numbers (iii) Rationalisation

4. **Give short/long answers:**

a) Find the value of m for which $\left[\left\{ \left(\frac{1}{72} \right)^{-2} \right\}^{-1/3} \right]^{1/4} = 7^m$.

b) Express $24.\overline{345}$ in the form $\frac{p}{q}$, where p and q are integers and $q \neq 0$.

c) Find the value of a and b if $\frac{3+\sqrt{2}}{3-\sqrt{2}} = a+b\sqrt{2}$

5. **Solve the following:**

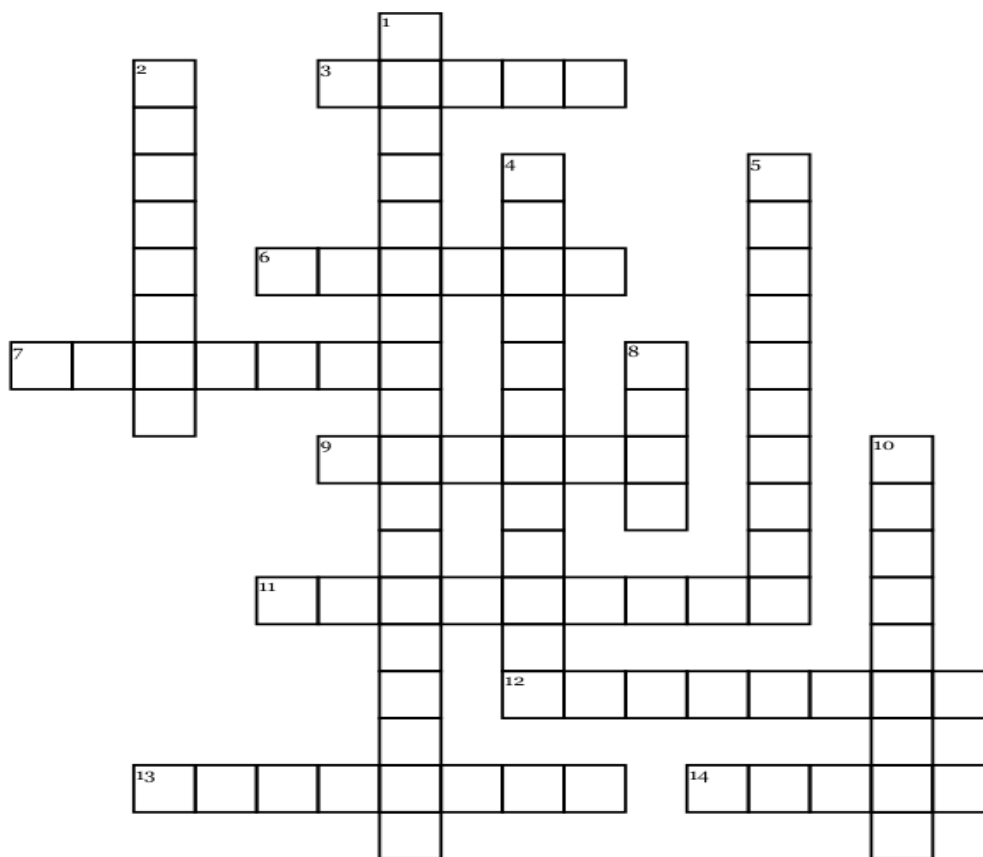
If $x = \frac{3-\sqrt{13}}{2}$, what is the value of $x^2 + \frac{1}{x^2}$

Section-IV: Problem solving skill

6 Represent $\sqrt{26}$ on the number line (with steps of construction).

7 Visualize the representation of $6.\overline{375}$ on the number line upto 5 decimal places, that is up to 6.37575.

Section-II: Cross word problem



Across

- 3.** A polynomial has four _____.
- 6.** A straight line on a graph _____.
- 7.** X^4 is an example of a _____ function.
- 9.** The unit of measurement for temperature _____.
- 11.** $15^5 + x^4 - 6x^7$ is a 7th degree _____.
- 12.** After the 3rd term we will only have ONE more term left in the school year.

13. In 2^3 if 2 is the base the 3 is the _____.

14. A S curve on a graph represents a _____ function.

Down

- 1.** In $3x^2$ the 3 is the _____.
- 2.** Bill has to take TWO more terms of high school in order to graduate.

4. When ranking people for training completion, you start with the highest and best performance followed by the 2nd and so on.

5. Poly was nominated for an Oscar four years in a row, she might be nominated even more next year.

8. When I move into my new house I need to know the _____ in order to see if I have enough space.

10. A function with a degree of two is a _____.

Section-III: Subject terminology and remembering skills

3. Define the following-linear ,quadratic ,cubic polynomial,monomial,binomial,trinomial

4. Give short/long answers:

1. Compute the value of $9x^2 + 4y^2$ if $xy = 6$ and $3x + 2y = 12$.
2. If $a^2 + b^2 + c^2 = 90$ and $a + b + c = 20$, then find the value of $ab + bc + ca$.
3. If $p(y) = y^3 + 2y^2 + 2y + 5$, then evaluate $p(3) - p(2) + p(1)$.

5. Solve the following:

If $x = \frac{3 - \sqrt{13}}{2}$, what is the value of $x^2 + \frac{1}{x^2}$

Section-IV: Problem solving skill

6. When the two polynomials $p(x) = x^3 + 4x^2 + ax - 7$ and $q(x) = ax^2 + 7x - 1$ are divided by $2x - 1$ and $3x + 2$ respectively, the remainders are R_1 and R_2 respectively. If R_1 and R_2 satisfy the equation $3R_1 - 4R_2 = 3$, find the value of a .

7. Verify that $x^3 + y^3 + z^3 - 3xyz = \frac{1}{2}(x + y + z)[(x - y)^2 + (y - z)^2 + (z - x)^2]$



R.E.D GROUP OF SCHOOLS

Revision Assignment for Holidays Homework

Class- 9th

Subject : Maths

Revision Assignment-3

Ch. No. & Name: 3 (Co-ordinate Geometry)

Duration- 30 Mins.

For recapitulation & solving the assignment the students should refer to their Ch.3 of NCERT text book of Maths.

Section-I: Case Study

1. On Parents-Teacher (PT) meeting day, Maths teacher made a complain against Rahul to his parents that Rahul is not fair in mathematics particularly on the topics Coordinate Geometry. Rahul could not object his teacher. He simply smiled and requested his teacher to give him a test paper to solve in front of his parents. The teacher gave a test paper to Rahul and asked him to solve it quickly and return him .The questions in the test paper are as follows:

(a) **The coordinates of a point whose ordinate is -5 and which lie on y-axis is**

(i) (0, 5)

(ii) (0, -5)

(iii) (5, 0)

(iv) (-5, 0)

(b) **The coordinates of a point whose abscissa is -6 and which lie on x-axis is**

(i) (6, 0)

(ii) (0, 6)

(iii) (-6, 0)

(iv) (0, -6)

(c) **Points P(4,4), Q(-2,4) and S(4,-2) are three vertices of a square PQRS. The coordinates of the vertex R are**

(i) (-2, -2)

(ii) (-2, 4)

(iii) (2, 2)

(iv) (4, -2)

(d) **A point lies on x-axis at a distance of 6 units from the y-axis. Its coordinates are**

(i) (0, 6)

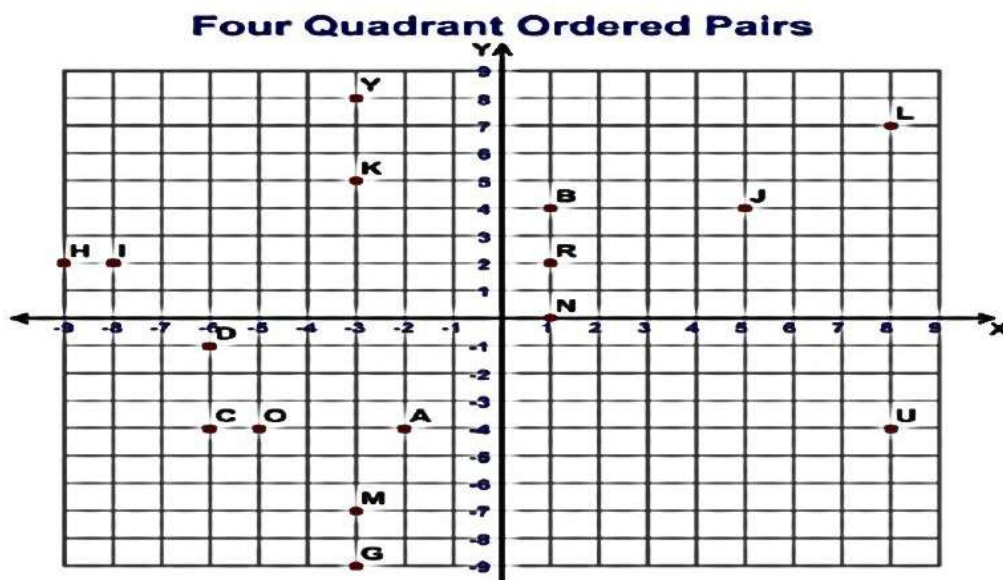
(ii) (6, 0)

(iii) (-6, 0)

(iv) (0, -6)

Section-II: Cross word problem

2.



Tell what point is located at each ordered pair.

- 1) $(-3,+5)$ _____ 3) $(-6,-1)$ _____ 5) $(+5,+4)$ _____ 7) $(-5,-4)$ _____
 2) $(-9,+2)$ _____ 4) $(+1,+0)$ _____ 6) $(-2,-4)$ _____ 8) $(+1,+2)$ _____

Write the ordered pair for each given point.

- 9) B _____ 11) U _____ 13) I _____ 15) Y _____
 10) L _____ 12) C _____ 14) G _____ 16) M _____

Section-III: Subject terminology and remembering skills

3. Define the following—ordinate, abscissa, origin, Cartesian plane
4. Without plotting the points indicate the quadrant in which they lie, if
 - (i) ordinate is 6 and abscissa is - 2
 - (ii) abscissa is - 4 and ordinate is - 3
 - (iii) abscissa is -4 and ordinate is 3
 - (iv) ordinate is 6 and abscissa is 2
 - (v) Ordinate is -11 and abscissa is 2
5. What is the value of abscissa of all point lies on y-axis ?

Section-IV: Problem solving skill

6. Plot the following points and check whether they are collinear or not
 - (a) $(1,3), (-1,-1), (-2,-3)$
 - (b) $(1, 1), (2,-3), (-1,-2)$
7. Which of the points P(0, 3), Q(1, 0), R(0,-1), S(-5, 0), T(1, 2) do not lie on x-axis ?



R.E.D GROUP OF SCHOOLS

Revision Assignment for Holidays Homework

Class- 9th

Subject : Maths

Revision Assignment-4

Ch. No. & Name: 4 (linear equation in two variable)

Duration- 30 Mins.

For recapitulation & solving the assignment the students should refer to their Ch.4 of NCERT text book of Maths.

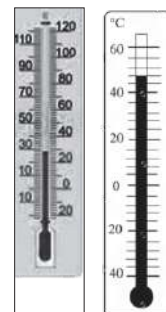
Section-I: Case Study

1. Temperature is the measure of the degree of hotness or coldness. In some countries like USA and Canada temperature is measured in Fahrenheit while in some countries like India, it is measured in Celsius, The linear equation that converts Fahrenheit (F) to Celsius(C) is given by a relation.

$$F = \frac{9}{5}C + 32$$

Using the above information answer the following questions–

- (a) **If the temperature in degree Celsius is 40°C, then the temperature in Fahrenheit scale is**
 (i) 90°F (ii) 96°F (iii) 100°F (iv) 104°F
- (b) **If the temperature in degree Fahrenheit is 77°F, then the temperature in Celsius scale is**
 (i) 20°C (ii) 30°C (iii) 25°C (iv) 35°C
- (c) **If the temperature in degree Celsius is 0°C, then the temperature in Fahrenheit scale is**
 (i) 32°F (ii) 36°F (iii) 30°F (iv) 28°F
- (d) **If the temperature in degree Fahrenheit is 0°F, then the temperature in Celsius scale is**
 (i) -20.8°C (ii) -17.8°C (iii) -15.8°C (iv) -10.8°C



Section-II: Cross word problem

2.

ROCK N' ROLL STADIUM

Bang your heads to the beat! Rock It out by reading each statement carefully. Identify whether it is true or false. Write your answer on the box provided.

1

The point of intersection of two lines is the solution set of the system.

2

If the lines are parallel, the system has one solution.

3

If the lines are the same, the system has infinite number of solution.

4

The solutions of a system of equations are the values of the variables that make all the equations true

5

Every point on the line is a solution to the equation and every solution to the equation is a point on the line

Graphing and Solving Systems of Linear Equations in Two Variables

Section-III: Subject terminology and remembering skills

3. Define the following-rational numbers ,irrational numbers, rationalisation
4. Give short/long answers:
- a) If (1, -2) is a solution of the equation $2x - y = p$, then find the value of p.
Solution.
- b) Solve the equation $\frac{x-7}{4} - 6 = \frac{3(x+1)}{2} + 2$
5. a) Write 2 solutions for each of the following equation $2x + y = 7$
b) When 9 is added to 2 times a number, 25 is obtained. Find the number

Section-IV: Problem solving skill

6. The taxi fare in a city is as follows: For the first kilometre, the fare is Rs. 8 and for the subsequent distance it is Rs 5 per km. Taking the distance covered as x km and total fare as Rs y, write a linear equation for this information, and draw its graph.
7. Draw the graph $4x - 3y = 12$ and determine the (i) points of intersection of this line with the co-ordinate axes and (ii) the area of triangle bounded by this line and co-ordinate axes.



R.E.D GROUP OF SCHOOLS

Revision Assignment for Holidays Homework

Class- 9th

Subject : Maths

Revision Assignment-5

Ch. No. & Name: 5 (Euclid's Geometry)

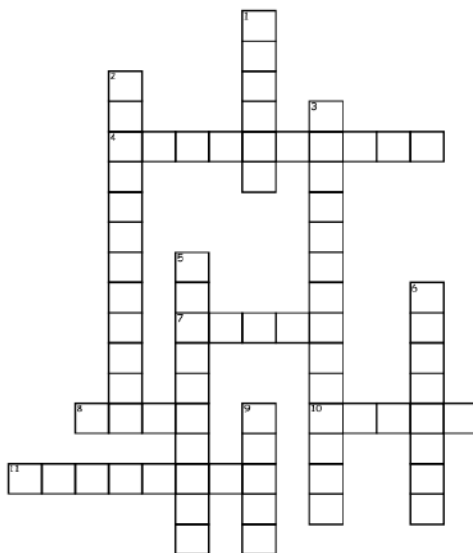
For recapitulation & solving the assignment the students should refer to their Ch.5 of NCERT text book of Maths.

Section-I: Case Study

1. In a class some students discussing about the Euclidean definition, postulates and axioms . they talked about all important definitions ,postulates and axioms and start questioning with one other .
 - (i) **Ram asked which of the following is not defined**
 - (a). Line segment.
 - (b) point
 - (c). Square.
 - (d). Ray
 - (ii) **Radha asked if $a=b$ and $b=c$ then which of following is true**
 - (a). $a < c$.
 - (b). $a > c$.
 - (c) $a = c$.
 - (d) can't tell
 - (iii) **Mohan asked which is not true statement**
 - (a) all acute angles are not equal
 - (b) all right angles are not equal
 - (c) all obtuse angles are not equal
 - (d) all reflex angles are not equal
 - (iv) **Siya asked If $x + y = 10$ then $x + y + z = 10 + z$. Then the Euclid's axiom that illustrates this statement is:**
 - (a) First axiom
 - (b) Second axiom
 - (c) Third axiom
 - (d) Fourth axiom

Section-II: Cross word problem

2.



Across

4. Greek mathematician, physicist, engineer, inventor, and astronomer.
7. American mathematician best known for their work on decision problems and Hilbert's tenth problem
8. Symbol for Addition
10. Numbers, variables, and the products of numbers and variables are all _____.
11. An _____ is a mathematical statement that says two expressions are equal

Down

1. Greek mathematician, often referred to as the "father of geometry".
2. French mathematician and physicist
3. In a term, the sum of the exponents on the variables is the _____
5. A mathematical phrase with operators connecting numbers and variables is an _____.
6. A one-termed polynomial is a _____.
9. symbol for subtraction

Section-III: Subject terminology and remembering skills

- 3 a) What are the five postulates of Euclid's Geometry?
b) It is known that $x + y = 10$ and that $x = z$. Show that $z + y = 10$.
4. define parallel lines, square, perpendicular line, rectangle

5. **Solve the following:**

If $x = \frac{3-\sqrt{13}}{2}$, what is the value of $x^2 + \frac{1}{x^2}$

Section-IV: Problem solving skill

6. Prove that an equilateral triangle can be constructed on any given line segment.
7. If point C is called a mid-point of line segment AB. Prove that every line segment has one and only one mid-point.



R.E.D GROUP OF SCHOOLS

Revision Assignment for Holidays Homework

Class- 9th

Subject : Maths

Revision Assignment-6

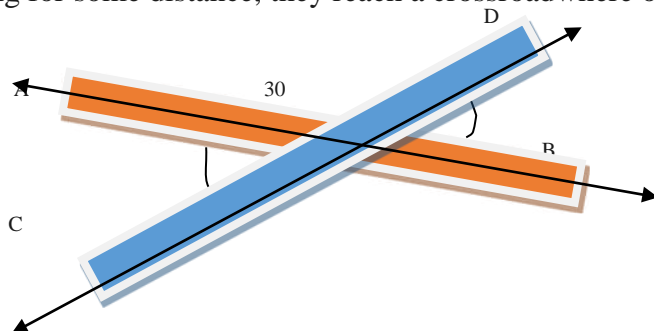
Ch. No. & Name: 6 (Lines and Angles)

Duration- 30 Mins.

For recapitulation & solving the assignment the students should refer to their Ch.1 of NCERT text book of Maths.

Section-I: Case Study

1. Harry was going on a road trip with his father. They were travelling on a straight road. After riding for some distance, they reach a crossroad where one straight road cuts the other at 30°

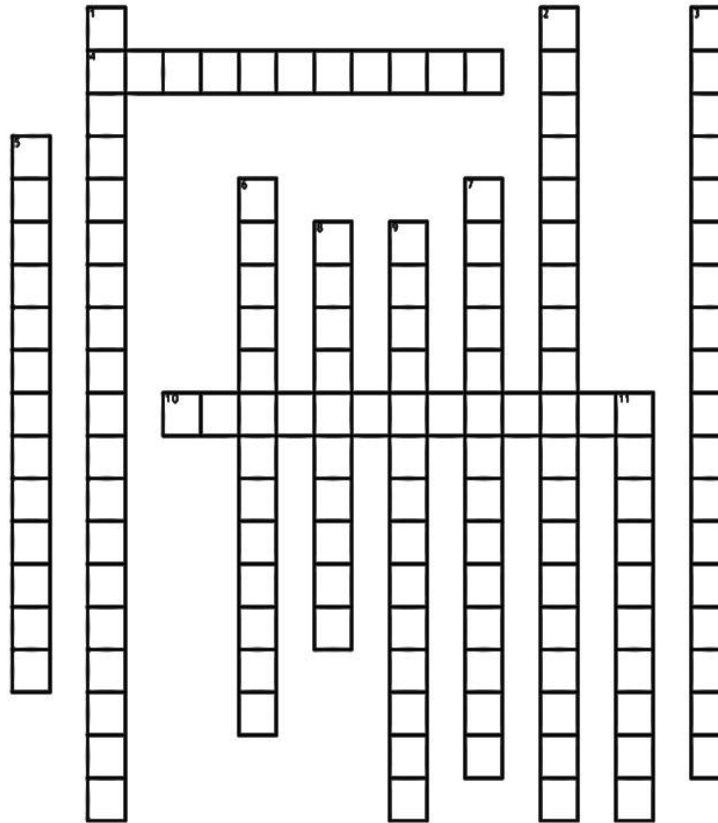


Now using the given information, answer the following questions.

- (i) **Find the measure of angle AOD.**
 - (a) 130°
 - (b) 150°
 - (c) 120°
 - (d) 50°
- (ii) **Find the measure of angle BOD.**
 - (a) 30°
 - (b) 150°
 - (c) 120°
 - (d) 50°
- (iii) **Find the measure of angle BOC.**
 - (a) 30°
 - (b) 150°
 - (c) 120°
 - (d) 50°
- (iv) **Which of the following is incorrect?**
 - (a) Sum of a linear pair of angles is 180°
 - (b) Linear pair of angles are supplementary to each other
 - (c) Both angles in a linear pair are acute
 - (d) Angles in a linear pair can be equal

2.

Section-II: Cross word problem



Across

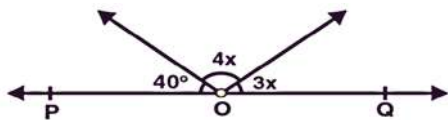
- 4. An angle greater than 90 degrees
- 10. A ray that divides an angle into two equal parts

Down

- 1. Two angles whose sum is 90 degrees
- 2. Two angles who sum is 180 degrees
- 3. Lines that form straight angles
- 5. Lines in the same plane that do not intersect
- 6. A straight line measuring 180 degrees
- 7. Two angles that have the same vertex and a common side
- 8. An Angle less than 90 degrees
- 9. Congruent angles formed by intersecting lines
- 11. A 90 degree Angle

Section-III: Subject terminology and remembering skills

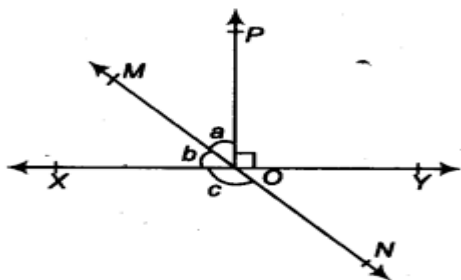
3. In the given figure, POQ is a line. The value of x is



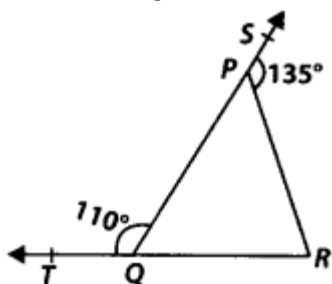
- 4. If one of the angles of a triangle is 130° , then what is the angle between the bisectors of the other two angles ?
- 5. (a) define corresponding angles and alternate angles
(b) what is the measure of the complementary angle if one angle is 35°

Section-IV: Problem solving skill**(Reason and Numerical Based Questions)****(4 × 2 = 8)**

6. In figure, lines XY and MN intersect at O. If $\angle POY = 90^\circ$, and $a : b = 2 : 3$. find c.



7. In figure, sides QP and RQ of $\triangle PQR$ are produced to points S and T, respectively. If $\angle SPR = 135^\circ$ and $\angle PQT = 110^\circ$, find $\angle PRQ$.





R.E.D. GROUP OF SCHOOLS

Summer Holidays HW (2022-23)

CLASS -9th

Subject: Science

Text Book: NCERT

Dear Students

Learning is the beginning of wealth.

Learning is the beginning of health.

Learning is the beginning of spirituality.

Searching and learning is where the miracle process all begins.

“Education breeds confidence.

Confidence breeds hope.

Hope breeds peace.”

Holiday is the time that we all eagerly wait for. We all make plans to enjoy, to relax and to empower ourselves during these gala days. This summer vacation the Holiday Homework so designed by the mentors of the school is a medium for you all to achieve the motto of “Fun and Learn”

The activity based assignments will foster curiosity, develop creativity, enhance knowledge and instill the joy of learning among you all. They will certainly help you discover a new you who is more enriched and confident and performs every action to perfection.

As it is well recognized that R.E.D. Sr. Sec. School not only focuses on academics but lay equal importance on Co-scholastic Competencies. The school also desires you to adhere to the following guidelines for a fulfilling break:

1. Guidelines for practice during vacation along with completion of Home Assignment:

- ❖ Neatness and presentation are common parameters for most of the activities assigned. Please maintain the quality of work done.
- ❖ Complete and submit the holiday homework timely.
- ❖ Holiday homework will be assessed on certain parameters and marks/grade will be awarded accordingly.
- ❖ Make sure that all syllabus done till June must be revised thoroughly as you begin your Pre-Mid from July.
- ❖ To score well in your upcoming exams strike a balance between your leisure time and studies.
- ❖ Read NCERT chapters thoroughly and increase fluency and vocabulary skills as new themes and vocabulary are introduced in the selected lessons.
- ❖ Enhance enquiry intelligence, prediction artistry, measuring art, observation techniques. Educational studies have shown that student reading skills deteriorate when reading is not done over a period of time.
- ❖ Highlight areas of doubt and clarify with the teacher after vacation.
- ❖ Refer different reference books for strengthening the conceptual knowledge.

2. Class-wise, Subject-wise Details for Home work for Vacation :-

Class: 9th

Subject: Science

Books Prescribed by School: NCERT Text Book

3. Syllabus covered upto 12th June

- ❖ Chapter-1: Matter in our surrounding
- ❖ Chapter-2: Is matter around us pure

- ❖ Chapter-5 : The fundamental unit of life
- ❖ Chapter-6 : Tissue
- ❖ Chapter-8: Motion
- ❖ Chapter-9 : Force and Laws of Motion

4. List of all new concepts taught so far

1. Matter and its characteristics
2. Different states of matter and their properties
3. Inter-conversion of states of matter
4. The concept of latent heat
5. Evaporation and its application in everyday life
6. Pure substances and their categories
7. Homogeneous and Heterogeneous mixture
8. True solution and concentration of solutions
9. Colloids and its properties.
10. Suspension and its properties
11. Separating techniques for different kinds of mixtures
12. Cell and different types of cell
13. Cell theory and Microscope
14. Cell membrane, Nucleus and Cytoplasm
15. Various cell organelles and their function
16. Tissue and its importance
17. Plant and Animal tissue
18. Meristematic plant tissue
19. Simple Permanent Tissue
20. Complex Permanent Tissue
21. Animal tissue: Epithelial Tissue
22. Animal tissue: Muscular Tissue
23. Animal tissue: Connective Tissue
24. Animal tissue: nervous Tissue
25. Concept of Rest and Motion
26. Distance and Displacement, Speed and Velocity
27. Uniform and Non-uniform motion
28. Acceleration and Uniformly accelerated motion
29. Graphical Representation of motion: distance-time graph & velocity-time graph
30. Equations of motion and their derivation by graphical method
31. Uniform circular motion
32. Numerical analysis for motion
33. Force and its effect
34. Types of forces
35. First law of motion
36. Inertia and its types
37. Linear momentum and its measurement
38. Second law of motion
39. Third law of motion
40. Law of conservation of linear momentum

5. Daily time to be spent for doing H.W. : 30 Mins.

6. Details about home work :

- ❖ Section-A- Creative corner (Preparing helping tool to understand concept, activity wise)
- ❖ Section-B- Crossword/puzzle (Chapter wise).
- ❖ Section-C- Inquiry based projects (One project).
- ❖ Section-D- Indian scientists and their contribution towards science (Any 3 scientists).
- ❖ Section-E- Chapter wise revision assignment.

7. Suggested links of YouTube / Study Material for Completing the Home work

Chapter Number	Chapter Name	Topic	Video link
1	Matter in our Surrounding	Matter and its characteristics	https://www.youtube.com/watch?v=c9MsAHPPcvc
		States of matter: Solid, Liquid and Gas	https://www.youtube.com/watch?v=mpufi-1voVo
		Inter-conversion of states of matter (Effect of temperature)	https://www.youtube.com/watch?v=ENVKQVIDNLY
		Inter-conversion of states of matter (Effect of pressure)	https://www.youtube.com/watch?v=FIC8IqTbXZY
		Evaporation and factors affecting rate of evaporation	https://www.youtube.com/watch?v=C9UtBsRGBI4
		Applications of evaporation	https://www.youtube.com/watch?v=C9UtBsRGBI4
2	Is Matter around us Pure	Homogeneous and Heterogeneous Mixture	https://www.youtube.com/watch?v=dW1Vn6cbTRE
		Homogeneous and Heterogeneous Mixture	https://www.youtube.com/watch?v=dW1Vn6cbTRE
		What is a solution?	https://www.youtube.com/watch?v=Pn8P-QtJQH4
		Unsaturated Solutions & Saturated Solutions	https://www.youtube.com/watch?v=-mnk_89BXmM
		Solution, Suspension and Colloid	https://www.youtube.com/watch?v=XEAiLm2zuvC
		Physical and Chemical Changes	https://www.youtube.com/watch?v=BgM3e8YZxuc
		Elements and Compounds	https://www.youtube.com/watch?v=bJvZOITWzVo
5	The Fundamental Unit of Life	Cell and Cell Theory	https://www.youtube.com/watch?v=u3GEXZPDa8&list=PLmdFyQYShrjdCRO-Tt8QePQNDO9T8qtIr&index=1 https://www.youtube.com/watch?v=TWG4Wm1r8BM&list=PLmdFyQYShrjdCRO-Tt8QePQNDO9T8qtIr&index=2
		Types of cells	https://www.youtube.com/watch?v=192M4oDLTdc
		Diffusion and Osmosis	https://www.youtube.com/watch?v=71MSBEwMGDA https://www.youtube.com/watch?v=SD1AKWUazPU&list=PLmdFyQYShrjdCRO-Tt8QePQNDO9T8qtIr&index=5
		Cell Membrane & Cell Wall	https://www.youtube.com/watch?v=RrFVAz56vQk

		Nucleus	https://www.youtube.com/watch?v=fV-sG3od1k0
		Cell organelle- Endoplasmic Reticulum	https://www.youtube.com/watch?v=LJChLQOr88E
		Cell organelle- Golgi apparatus	https://www.youtube.com/watch?v=t5rJXVz6bu0
		Cell organelle- lysosomes and mitochondria	https://www.youtube.com/watch?v=r6C54HHFTwE
		Cell organelle- plastids and vacuoles	https://www.youtube.com/watch?v=3rXJgc27KRE https://www.youtube.com/watch?v=hH3eFIDPgYM
		Cell organelle- Plant Cell, Animal cell and cell division	https://www.youtube.com/watch?v=192M4oDLTdc https://www.youtube.com/watch?v=EmV3H-ALSgg
6	Tissue	Tissue- plant tissue and animal tissue	https://www.youtube.com/watch?v=fNQ92ZGWpOA
		Meristematic tissue	https://www.youtube.com/watch?v=ILnjo4Pf2JM
		Permanent tissue- simple permanent tissue	https://www.youtube.com/watch?v=euyvrLhmfJU
		Permanent tissue- Complex permanent tissue	https://www.youtube.com/watch?v=41CfMlpaRCQ
		Protective tissue- Cork and Epithelial tissue	https://www.youtube.com/watch?v=fktUtmmUJ5M
		Animal tissue-Epithelial tissue	https://www.youtube.com/watch?v=P3714_a3l0w
		Animal tissue- connective tissue	https://www.youtube.com/watch?v=L3OydHheqKA
		Animal tissue – muscular tissue	https://www.youtube.com/watch?v=sfNBe9jCsT4
		Animal tissue – nervous tissue	https://www.youtube.com/watch?v=NsBaPtemAjs
8	Motion	Rest and motion, Distance and displacement	https://www.youtube.com/watch?v=eIAzkXyRQFU& https://www.youtube.com/watch?v=21BwUNDOQnQ
		Uniform and non uniform motion	https://www.youtube.com/watch?v=VFFf3F-G9Uk
		Velocity and Acceleration	https://www.youtube.com/watch?v=vxFYfumAAIY
		First and second equation of motion	https://www.youtube.com/watch?v=xViRvJxTu6k
		Third equation of motion and Uniform circular motion	https://www.youtube.com/watch?v=xViRvJxTu6k& https://www.youtube.com/watch?v=Tei5poH2csk
9	Force and Laws of Motion	Force and its types	https://www.youtube.com/watch?v=B6mi1-YoRT4
		First law of motion	https://www.youtube.com/watch?v=5oi5j11FkQg&t=3s
		Inertia and its types	https://www.youtube.com/watch?v=YbWjx3LUc0U
		Linear momentum and second law of motion	https://www.youtube.com/watch?v=8YhYqN9BwB4

	Application of second law of motion & Numericals	https://www.youtube.com/watch?v=39MsA6URa3M
	Third law of motion and its application	https://www.youtube.com/watch?v=TVAxASr0iUY&list=RDCMUciTjCIT_9EXV1Wp1cY0zaUA&index=2
	Law of conservation of linear momentum	https://www.youtube.com/watch?v=J5YnM_ufRoY

8. Tools Required for doing home work

- ❖ NCERT Book
- ❖ Notebook
- ❖ A4 Sheets
- ❖ Internet

9. Instructions/Guidelines for home work

- ❖ Section-A- Creative corner (Preparing helping tool for understanding concept, activity wise)

Make your own project/model/chart/PPT

How to do: Prepare a teaching aid on an activity from the chapters mentioned below as per your roll numbers.

Topic	Roll No.
Chapter-1- Matter in our surrounding	1 – 7
Chapter-2- Is matter around us pure	8 –15
Chapter-5-The fundamental unit of life	16– 23
Chapter-6 : Tissue	24-32
Chapter-8-Motion	33– 38
Chapter-9 Force and Laws of Motion	39 onwards

- ❖ Section-B- Crossword/puzzle

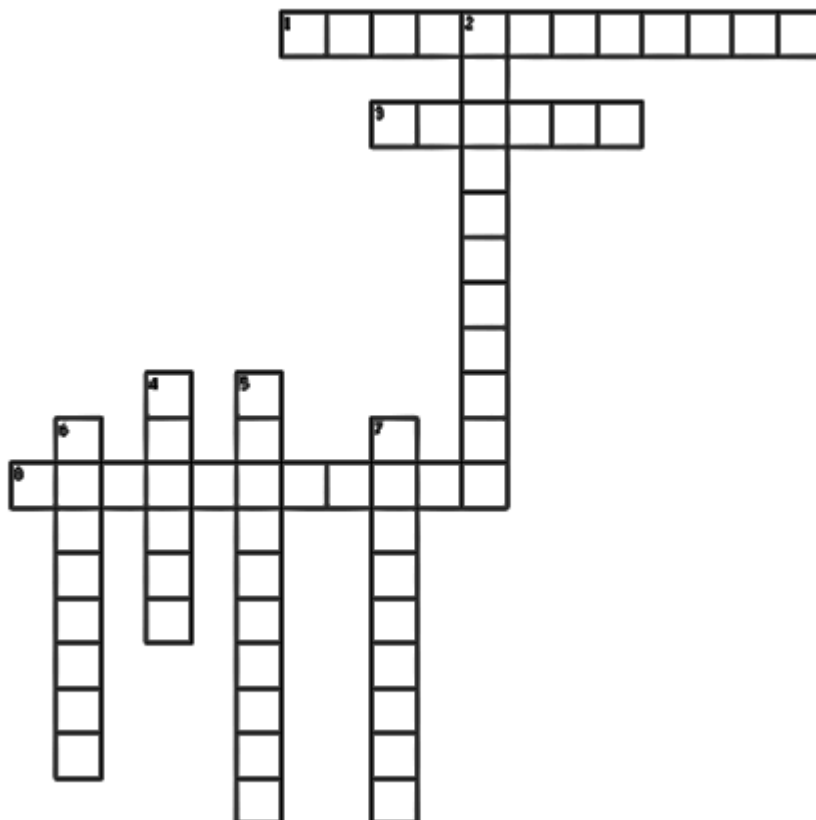
What to do : To make a Board Game

How to do: Take a hard board of size 6' x 6'.

Cover it with colored sheet and draw the crossword puzzle (refer to the attachment) on the board. Write the clues alongside. Paste the answers of the questions at the back of the board

Where to do: On a hard board of size 6'x 6'.

Parameters: Creativity, presentation



Across

1. BEC stands for Bose-Einstein-_____
3. The state consists of super energetic and super excited particles
8. Conversion of solid to vapour is called _____

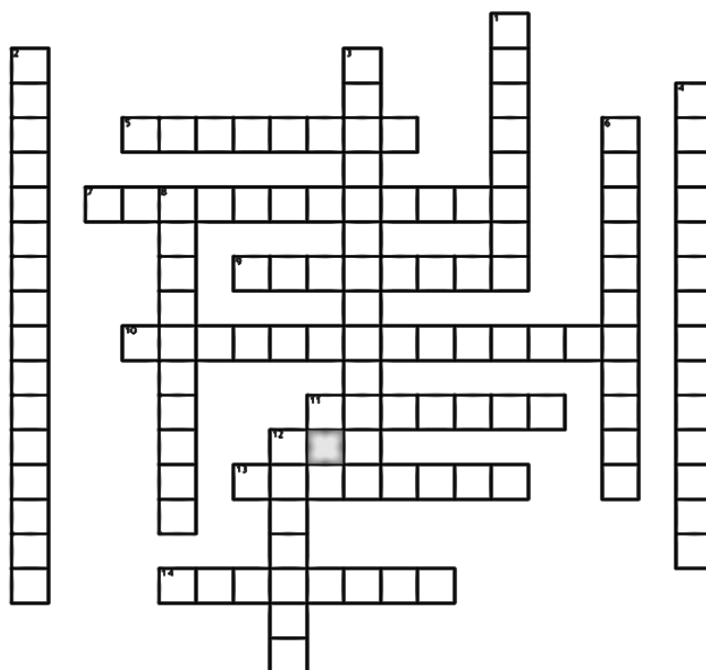
Down

2. This is the phenomenon of change of a liquid into vapours at any temperature below its boiling point
4. SI unit of Temperature.
5. CNG stands ____ natural gas
6. It is the amount of water vapour present in air.
7. LPG stands for _____petroleum gas.

Name: _____

Date: _____

Chapter-2 Is matter around us pure?



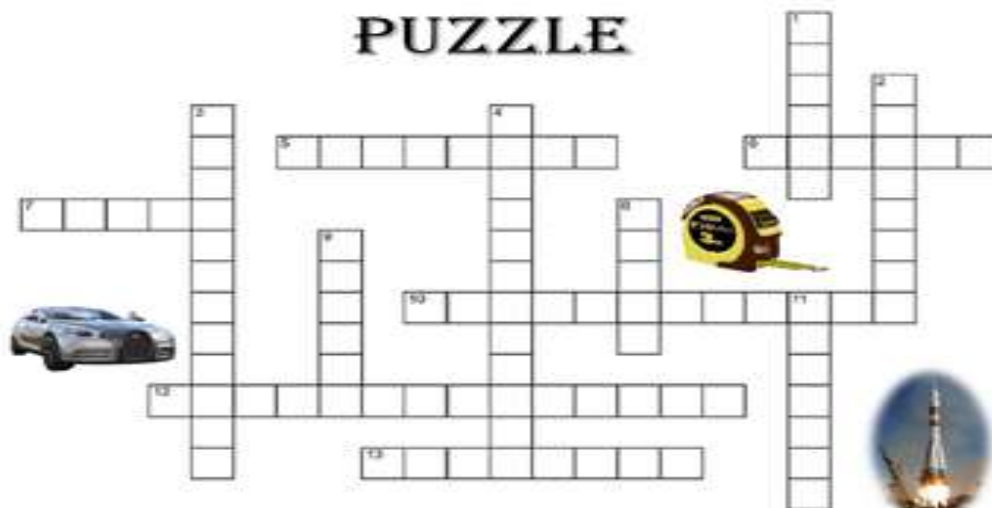
Across

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

MOTION CROSSWORD PUZZLE



Across

Down

5) Speed in a given direction

1) A quantity that has a size and direction

6) An objects change in position relative to a reference point

2) A force which opposes motion

7) The SI unit of distance

3) Total distance divided by total time

10) The rate of change of velocity

4) Change in position from the starting point with a specific direction

12) A place or object used for comparison to determine if something is in motion

8) The rate something moves

13) The space travelled between two objects

9) A quantity that has a size only

11) The tendency of an object to resist any change in its motion

❖ Section-C- Inquiry based projects (One project).

Inquiry-based science challenges students' thinking by engaging them in investigating scientifically orientated questions where they learn to give priority to evidence, evaluate explanations in the light of alternative explanations and learn to communicate and justify their decisions. These are dispositions needed to promote and justify their decisions. In short, "Scientific inquiry requires the use of evidence, logic, and imagination in developing explanations about the natural world"

❖ Sample of inquiry based project:

With the help of digital mode enquire about the different pandemic disease like Covid-19 that has affected the human race in history/ any revolutionary discoveries that change human life

Point to be enquired:

- When and where that disease has affected the human race?
- What was the cause of that disease?
- How badly it affected the human population?
- How that diseases spread?
- What were the safety measures for the diseases?
- Who has given the vaccine for the disease and when?
- Conclusion of the study

Where to do: On A4 size sheet

Parameters: Creativity, presentation

❖ Section-D- Indian scientists and their contribution towards science (Any 3 scientists).

Inquire for the Indian scientist's contribution towards science and prepare the Power Point Presentation on it.

Point to be enquired:

- Birth
- Education
- Invention
- Achievements

Choose any three from following:

- Sir Ronald Ross
- A.P.J. Abdul Kalam
- C.V. Raman
- Subrahmanyam Chandrasekhar
- Har Govind Khurana

❖ **Section-E- Chapter wise revision assignment.**

Revision Assignments of Ch-1,2,5,6,8 & 9 are attached at last.

10. **Date of Submission of Homework : 1ST July (Friday), 2022**

11. **Checkpoints for Assessments of Home work**

Sr. No.	Checkpoints for Assessments of Home work	Remarks
1	Index	Updated /Not updated
2	Quality of Handwriting & presentation	Good /Avg./ Poor
3	Quality of creative writing	Good /Avg./ Poor
4	Quality of Project work	Good /Avg./ Poor
5	Quality of Reading & Comprehension skills	Good /Avg./ Poor
6	Whether Learning work done or not	Done/ Not done
7	Whether H.W is fully Completed	Yes/ No
8	Whether H.W is partly Pending	Yes/ No

Remember

“Every action is important and every deed is vital.....”

Wishing all the students a joyful learning and Happy Holidays

Kind attention please

- ❖ The school will reopen on 1st July 2022 i.e. Friday.
- ❖ The school office will remain **OPEN** during the summer vacation on all working days.
- ❖ Clear all kind of dues (if any) at the earliest to avoid late fine and further inconvenience.



R.E.D GROUP OF SCHOOLS

Revision Assignment for Holidays Homework

Class- 9th

Subject : Science

Revision Assignment-1

Ch. No. & Name: 1 (Matter in our surrounding)

Duration : 30 Mins.

Part-1

(Case study/Activity based questions)

Instruction: Read the following passage and answer the question no. 1,2& 3.

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:**

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

1. What is boiling point of water?

- (a) 0°C (b) 212°F
(c) 50°C (d) 273.15 K

2. On converting 25°C, 38°C and 66°C to Kelvin scale, the correct sequence of temperature will be

- (a) 298 K, 311 K, 339 K (b) 298K, 300 K, 338K
(c) 273K, 278 K, 543 K (d) 298 K, 310 K, 338 K

3. At constant pressure, volume is _____.

- (a) directly proportional to temperature
(b) directly proportional to square of temperature
(c) inversely proportional to temperature
(d) independent of temperature

Part-2

(Assertion and Reason/ match the following type questions)

DIRECTION: 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).

- (a) joule per kilogram (b) erg per kilogram
(c) calorie per gram per degree Celsius (d) all of these

Part -5

(Integer/ Numerical Value/ Chemical Equations/Application based questions)

13. The boiling points of diethyl ether, acetone and n-butyl alcohol are 35°C, 56°C and 118°C respectively. Which one of the following correctly represents their boiling points in Kelvin scale?
- (a) 306 K, 329 K and 391 K (b) 308 K, 329 K and 392 K
(c) 308 K, 329 K and 391 K (d) 329 K, 392 K and 308 K
14. What is nature of evaporation?
- (a) Exothermic (b) Endothermic
(c) Biochemical (d) Photochemical
15. Which will have highest density at same physical conditions?
- (a) Milk (b) Bromine
(c) Chlorine (d) Lead

Part -6

(Subjective Questions/Conceptual Questions/Application based questions)

16. Water as ice has a cooling effect, whereas water as steam may cause severe burns. Explain these observations.
17. 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?
18. What are characteristics of particles of matter?



R.E.D GROUP OF SCHOOLS

Revision Assignment for Holidays Homework

Class- 9th

Subject : Science

Revision Assignment-2

Ch. No. & Name: 2 (Is Matter around us Pure?)

Duration : 30 Mins.

Part-1

(Case study/Activity based questions)

Instruction: Read the following passage and table, and answer the question no. 1 & 2.

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
Solubility					
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

- What mass of potassium nitrate would be needed to produce a saturated solution of potassium nitrate in 50 grams of water at 313 K?
 - 31 gm
 - 52 gm
 - 18 gm
 - 62 gm
- Which salt has the highest solubility at 293 K temperature?
 - Potassium nitrate
 - Sodium chloride
 - Potassium chloride
 - Ammonium chloride
- Which of the following are physical changes?
 - Melting of iron metal
 - Rusting of iron
 - Bending of an iron rod
 - Drawing a wire of iron metal
 - (i), (ii) and (iii)
 - (i), (ii) and (iv)
 - (i), (iii) and (iv)
 - (ii), (iii) and (iv)
- Two substances, A and B were made to react to form a third substance, A₂B according to the following reaction $2A + B \rightarrow A_2B$ which of the following statements concerning this reaction are incorrect?
 - The product A₂B shows the properties of substances A and B
 - The product will always have a fixed composition
 - The product so formed cannot be classified as a compound
 - The product so formed is an element
 - (i), (ii) and (iii),
 - (ii), (iii) and (iv)
 - (i), (iii) and (iv)
 - (ii), (iii) and
- Two chemical species X and Y combine together to form a product P which contains both X and Y $X + Y \rightarrow P$ X and Y cannot be broken down into simpler substances by simple chemical reactions. Which of the following concerning the species X, Y and P are correct?
 - P is a compound
 - X and Y are compounds
 - X and Y
 - P has a fixed composition
 - (i), (ii) and (iii)
 - (i), (ii) and (iv)
 - (ii), (iii) and (iv)
 - (i), (iii) and (iv)

Part-2**(Assertion and Reason/ match the following type questions)**

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

- (f) Both assertion (A) and reason (R) are true and reason (R) is the correct explanation of assertion (A).
 (g) Both assertion (A) and reason (R) are true but reason (R) is not the correct explanation of assertion (A).
 (h) Assertion (A) is true but reasons (R) is false.
 (i) Assertion (A) is false but reasons (R) is true.
 (j) Both Assertion and Reason are false.
6. **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.
7. **Assertion :** A mixture of benzoic acid and naphthalene can be separated by crystallization from water.
Reason : Benzoic acid is soluble in hot water but naphthalene is insoluble in hot water.
8. **Assertion :** A mixture of sugar and benzoic acid can be separated by shaking with ether.
Reason : Sugar is insoluble in water.

Part-3**(Practical/Activity based questions)**

9. **Mercury and bromine are both**
 (a) liquid at room temperature (b) solid at room temperature
 (c) gases at room temperature (d) both (a) and (b)
10. **Cooking of food and digestion of food:**
 (a) are both physical processes
 (b) are both chemical processes
 (c) cooking is physical whereas digestion is chemical
 (d) cooking is chemical whereas digestion is physical
11. **Which of the following are chemical changes?**
 (i) Decaying of wood
 (ii) Burning of wood
 (iii) Sawing of wood
 (iv) Hammering of a nail into a piece of wood
 (a) (i) and (ii)
 (b) (ii) and (iii)
 (c) (iii) and (iv)
 (d) (i) and (iv)

Part-4**(Diagram/ Graph/ Table/ Formula/ Units/ Symbols/ Sign based questions)**

12. **Blood and sea water are**
 (a) both mixtures (b) both are compounds
 (c) blood is a mixture whereas sea water is a compound
 (d) blood is a compound and sea water is a mixture
13. **Size of particles in colloid is**
 (a) less than 1 nm (b) more than 100 nm
 (c) 1-100 nm (d) None of these

Part -5**(Integer/ Numerical Value/ Chemical Equations/Application based questions)**

14. **Which is the correct order of stability of solution?**
 (a) True < colloid < suspension
 (b) Suspension < true < colloid
 (c) True < suspension < colloid
 (d) Suspension < colloid < true

15. Choose the correct match.

Solutions		Examples	
A	Colloid	1	Sugar solution
B	Suspension	2	Milk
C	True solution	3	Chalk water

Codes

	A	B	C
(a)	2	3	1
(b)	3	1	2
(c)	1	2	3
(d)	3	2	1

Part -6**(Subjective Questions/Conceptual Questions/Application based questions)**

- 16.** Compare properties of solution, suspension and colloids.
- 17.** Discuss following methods of separations with diagram and its application:
Chromatography, Fractional distillation, Sublimation
- 18.** Differentiate between mixture and compounds.



R.E.D GROUP OF SCHOOLS

Revision Assignment for Holidays Homework

Class- 9th

Subject : Science

Revision Assignment-3

Ch. No. & Name: 5 (The fundamental unit of life)

Duration : 30 Mins.

Part-1

(Case study/Activity based questions)

Instruction: Read the following passage and answer the question no. 1,2& 3.

The nucleus has a double layered covering called nuclear membrane. The nuclear membrane has pores which allow the transfer of material from inside the nucleus to its outside, that is, to the cytoplasm. The nucleus contains chromosomes, which are visible as rod-shaped structures only when the cell is about to divide. Chromosomes contain information for inheritance of characters from parents to next generation in the form of DNA (Deoxyribo Nucleic Acid) molecules. Chromosomes are composed of DNA and protein. DNA molecules contain the information necessary for constructing and organising cells. Functional segments of DNA are called genes. In a cell which is not dividing, this DNA is present as part of chromatin material. Chromatin material is visible as entangled mass of thread like structures. Whenever the cell is about to divide, the chromatin material gets organized into chromosomes. The nucleus plays a central role in cellular reproduction, the process by which a single cell divides and forms two new cells. It also plays a crucial part, along with the environment, in determining the way the cell will develop and what form it will exhibit at maturity, by directing the chemical activities of the cell.

- Organelle other than nucleus, containing DNA is _____.**
 - endoplasmic reticulum
 - golgi apparatus
 - mitochondria
 - lysosomes
- The undefined nuclear region of prokaryotes is also known as _____.**
 - nucleus
 - nucleolus
 - nucleic acid
 - nucleoid
- Chromosomes are made up of _____.**
 - DNA
 - Protein
 - DNA and protein
 - RNA

Part-2

(Assertion and Reason/ match the following type questions)

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

- Both assertion (A) and reason (R) are true and reason (R) is the correct explanation of assertion (A).
 - Both assertion (A) and reason (R) are true but reason (R) is not the correct explanation of assertion (A).
 - Assertion (A) is true but reasons (R) is false.
 - Assertion (A) is false but reasons (R) is true.
 - Both Assertion and Reason are false.
- Assertion:** Mitochondria is known as powerhouse of the cell.
Reason: Energy is generated and stored in mitochondria in form of ATP.
 - Assertion:** Prokaryotic cells have poor efficiency.
Reason: Prokaryotic cells are small in size.

6. **Assertion:** Bacterial cells even do not burst up in very dilute solution.
Reason: These cells do not show osmosis.

Part-3

(Practical/Activity based questions)

7. **A cell will swell up if**

- (a) the concentration of water molecules in the cell is higher than the concentration of water molecules in the surrounding medium.
 (b) the concentration of water molecules in the surrounding medium is higher than water molecules concentration in the cell.
 (c) the concentration of water molecules is same in the cell and in the surrounding medium.
 (d) concentration of water molecules does not matter.

8. **Following are a few definitions of osmosis:**

Read carefully and select the correct definition.

- (a) Movement of water molecules from a region of higher concentration to a region of lower concentration through a semi-permeable membrane.
 (b) Movement of solvent molecules from its higher concentration to lower concentration.
 (c) Movement of solvent molecules from higher concentration to lower concentration of solution through a permeable membrane.
 (d) Movement of solute molecules from lower concentration to higher concentration of solution through a semi permeable membrane.

9. **Select the odd one out.**

- (a) The movement of water across a semi permeable membrane is affected by the amount of substances dissolved in it.
 (b) Membranes are made of organic molecules like proteins and lipids.
 (c) Molecules soluble in organic solvents can easily pass through the membrane.
 (d) Plasma membranes contain chitin sugar in plants.

Part-4

(Diagram/ Graph/ Table/ Formula/ Units/ Symbols/ Sign based questions)

10. **Which cell organelle plays a crucial role in detoxifying many poisons and drugs in a cell?**

- (a) Golgi apparatus (b) Lysosomes
 (c) Smooth endoplasmic reticulum (d) Vacuoles

11. **Which of the following are covered by a single membrane?**

- (a) Mitochondria (b) Vacuole
 (c) Lysosome (d) Plastid

12. **The cell organelle involved in forming complex sugars from simple sugars are _____.**

- (a) endoplasmic reticulum (b) ribosomes
 (c) plastids (d) golgi apparatus

Part -5

(Integer/ Numerical Value/ Chemical Equations/Application based questions)

13. **Cell wall of which one of these is not made up of cellulose?**

- (a) Bacteria (b) Hydrilla (c) Mango tree (d) Cactus

14. Cell theory was given by _____.
- (a) Schleiden and Schwann (b) Virchow
(c) Hooke (d) Haeckel
15. Organelle without a cell membrane is _____.
- (a) ribosome (b) golgi apparatus
(c) chloroplast (d) nucleus

Part -6

(Subjective Questions/Conceptual Questions/Application based questions)

16. Differentiate between animal and plant cell with diagram.
17. Explain various cell organelle with functions.
18. What is osmosis? Explain hypotonic, isotonic and hypertonic solutions.



R.E.D GROUP OF SCHOOLS

Revision Assignment for Holidays Homework

Class- 9th

Subject : Science

Revision Assignment-4

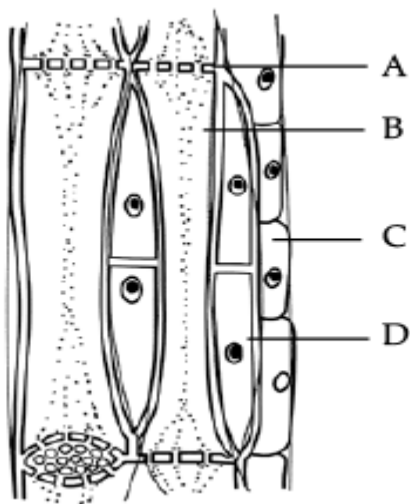
Ch. No. & Name: 6 (Tissue)

Duration : 30 Mins.

Part-1

(Case study/Activity based questions)

Instruction: Direction: Study the given diagram and answer the following questions no. 1 to 4.



1. Vascular bundles are:

- (a) Only Xylem (b) Only Phloem (c) Only Cortex (d) Both Xylem and Phloem

2. What will happen if phloem at the base of the branch is removed?

- (a) Plant will die (b) Lower parts of the plants wilted
(c) No change occur (d) None of these

3. Name the tissue shown in the diagram.

- (a) Xylem (b) Phloem (c) Epidermis (d) Cortex

4. Identify the parts A, B, C and D

- (a) A- Companion cell, B- Sieve tube, C- Sieve plate, D- Phloem
(b) A- Phloem Parenchyma, B- Companion cell, C- Sieve tube, D- Sieve plate
(c) A- Sieve plate, B- Sieve tube, C- Phloem parenchyma, D- Companion cell
(d) A- Sieve tube, B- Phloem parenchyma, C- Sieve plate, D- Companion cell

5. Which of the following tissues has dead cells?

- (a) Parenchyma (b) Sclerenchyma (c) Collenchyma (d) Epithelial

Part-2

(Assertion and Reason/ match the following type questions)

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

- (k) Both assertion (A) and reason (R) are true and reason (R) is the correct explanation of assertion (A).

- (l) Both assertion (A) and reason (R) are true but reason (R) is not the correct explanation of assertion (A).
- (m) Assertion (A) is true but reasons (R) is false.
- (n) Assertion (A) is false but reasons (R) is true.
- (o) Both Assertion and Reason are false.

6. **Assertion** :Parenchyma cells help in storage of food.

Reason :Parenchyma cells are the main seats of photosynthesis.

7. **Assertion** :Vascular or conductive tissue is a distinctive feature of complex plants.

Reason :Vascular tissue has made survival of complex plants possible in terrestrial environment.

8. **Assertion** :The inner lining of intestine has tall epithelial cells.

Reason :Columnar epithelium facilitates absorption and secretion.

Part-3

(Practical/ Activity based questions)

9. **Safranin is a reagent that is used to stain-**

- (a) nucleus (b) plasmodesmata (c) cytoplasm (d) cell wall

10. **A was observing a permanent slide of nervous tissue under a microscope. Name the kind of cells observed in nervous tissue**

- (a) striated muscle (b) smooth muscle
(c) neuron (d) cardiac muscle

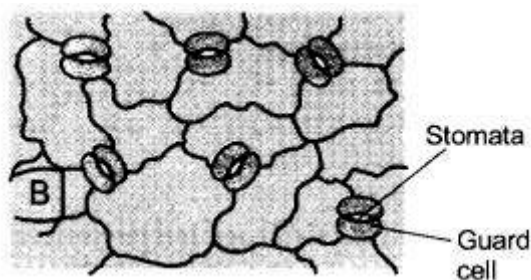
11. **In transverse section, parenchymatous cells show**

- (a) thickening of cell wall (b) dead cells
(c) thin walled cells with intercellular spaces (d) absence of intercellular spaces and vacuoles

Part-4

(Diagram/ Graph/ Table/ Formula/ Units/ Symbols/ Sign based questions)

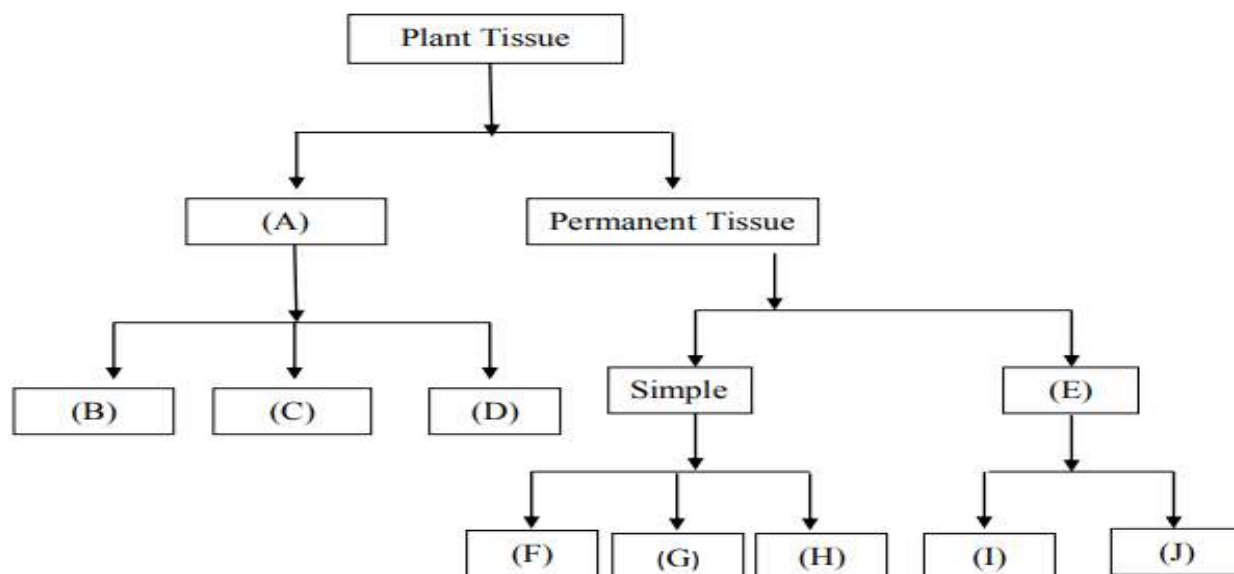
12. **Identify the part marked 'B' in the diagram.**



- (a) Epidermal cell (b) Xylem (c) Phloem (d) Stomata

13. **Name the chemical substance which gets deposited in the walls of sclerenchyma.**

- (a) Lignin (b) Wax (c) Epidermis (d) Sieve tubes

Part -5**(Integer/ Numerical Value/ Chemical Equations/Application based questions)****14. Complete the table****15. Choose the correct match.**

Column A	Column B
(a) Adipocytes	(i) Blood
(b) Cartilage	(ii) Join bone to bone
(c) Tendon	(iii) Cambium
(d) Skin	(iv) Platelets
(e) Veins of leaves	(v) Fat containing cell
(f) Clotting of blood	(vi) Joins muscle to bones
(g) Fluid connective tissue	(vii) Stratified squamous epithelium
(h) Increases girth of stem	(viii) Composed of proteins and sugars
(i) Ligament	(ix) Sclerenchyma

Part -6**(Subjective Questions/Conceptual Questions/Application based questions)**

16. Differentiate between Meristematic and Permanent tissue in plants.
17. Explain connective tissue in animals.
18. Explain different muscle fibres present in human body with diagram and location.



R.E.D GROUP OF SCHOOLS

Revision Assignment for Holidays Homework

Class- 9th

Subject : Science

Revision Assignment-5

Ch. No. & Name: 8 (Motion)

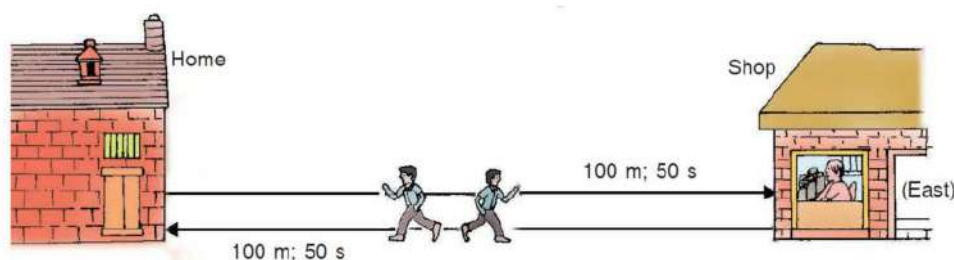
Duration : 30 Mins.

Part-1

(Case study/Activity based questions)

Instruction: Read the following passage and table, and answer the question no. 1 to 5.

Suppose the boy first runs a distance of 100 metres in 50 seconds in going from his home to the shop in the East direction, and then runs a distance of 100 metres again in 50 seconds in the reverse direction from the shop to reach back home from where he started



1. Find the speed of the boy.

- (a) 1 m/s (b) 2 m/s (c) 3 m/s (d) none of these

2. Find the Velocity of the boy.

- (a) 1 m/s (b) 2 m/s (c) 3 m/s (d) 0 m/s

3. A boy is sitting on a merry-go-round which is moving with a constant speed of 10m/s. This means that the boy is :

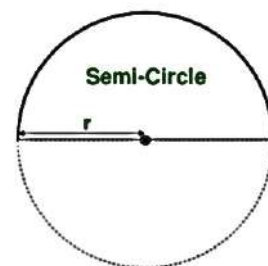
- (a) at rest (b) moving with no acceleration
(c) in accelerated motion (d) moving with uniform velocity

4. In which of the following cases of motion, the distance moved and the magnitude of displacement are equal ?

- (a) if the car is moving on straight road (b) if the car is moving on circular road
(c) if the pendulum is moving to and fro (d) if a planet is moving around the sun

5. TwoA particle is moving in a circular path of radius r . The displacement after half a circle would be :

- (a) 0 (b) πr
(c) $2r$ (d) $2\pi r$



Part-2

(Assertion and Reason/ match the following type questions)

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

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

- (r) Assertion (A) is true but reasons (R) is false.
 (s) Assertion (A) is false but reasons (R) is true.
 (t) Both Assertion and Reason are false.

6. **Assertion** :An object may acquire acceleration even if it is moving at a constant speed.

Reason :With change in the direction of motion, an object can acquire acceleration.

7. **Assertion** :Displacement of an object may be zero even if the distance covered by it is not zero.

Reason :Displacement is the shortest distance between the initial and final position.

8. **Assertion** :The graph between two physical quantities P and Q is straight line, when P/Q is constant.

Reason :The straight line graph means that P is proportional to Q or P is equal to constant multiplied by Q.

Part-3

(Practical/Activity based questions)

9. **The numerical ratio of displacement to distance for a moving object is**

- (a) always less than 1 (b) always equal to 1
 (c) always more than 1 (d) equal or less than 1

10. **If the displacement of an object is proportional to square of time, then the object moves with**

- (a) uniform velocity (b) uniform acceleration
 (c) increasing acceleration (d) decreasing acceleration

Part-4

(Diagram/ Graph/ Table/ Formula/ Units/ Symbols/ Sign based questions)

11. **What is SI unit of velocity?**

- (a) m (b) s (c) m/s (d) m/s^2

12. **What is SI unit of speed?**

- (a) m (b) s (c) m/s (d) m/s^2

13. **What is SI unit of displacement?**

- (a) m (b) s (c) m/s (d) m/s^2

Part -5

(Integer/ Numerical Value/ Chemical Equations/Application based questions)

14. **A body is thrown vertically upward with velocity u, the greatest height h to which it will rise is,**

- (a) u/g (b) $u^2/2g$ (c) u^2/g (d) $u/2g$

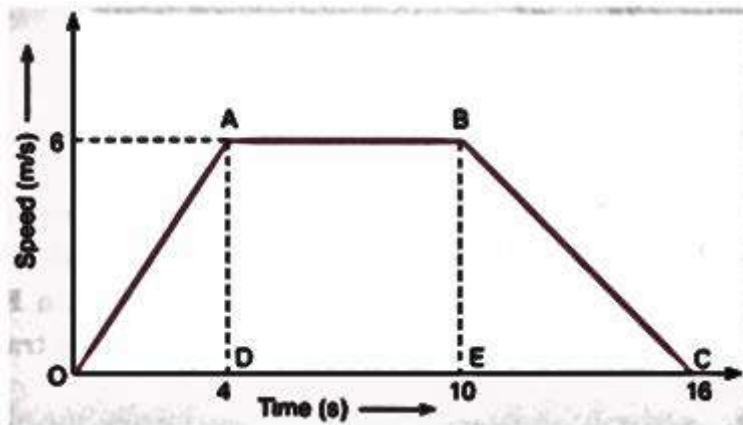
15. **A particle is moving in a circular path of radius r. The displacement after half a circle would be:**

- (a) Zero (b) πr (c) $2 r$ (d) $2\pi r$

Part -6

(Subjective Questions/Conceptual Questions/Application based questions)

16. **Study the speed-time graph of a body given here and answer the following questions:**



- (a) What type of motion is represented by OA?
 - (b) What type of motion is represented by AB?
 - (c) What type of motion is represented by BC?
 - (d) Find out the acceleration of the body.
 - (e) Calculate the retardation of the body.
 - (f) Find out the distance travelled by the body from A to B.
17. A body starts to slide over a horizontal surface with an initial velocity of 0.5 m/s. Due to friction, its velocity decreases at the rate 0.05 m/s^2 . How much time will it take for the body to stop?
 18. Differentiate between distance and displacement.



R.E.D GROUP OF SCHOOLS

Revision Assignment for Holidays Homework

Class- 9th

Subject : Science

Revision Assignment-6

Ch. No. & Name: 9 (Force and Laws of Motion)

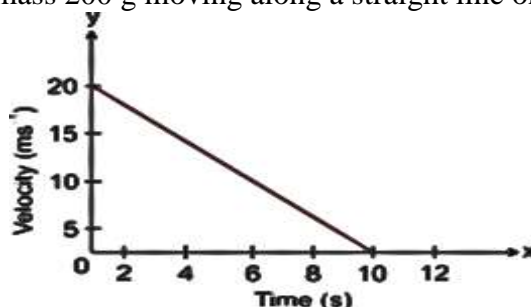
Duration : 30 Mins.

Part-1

(Case study/Activity based questions)

Instruction: Read the following passage and answer the question no. 1, 2 & 3.

The velocity-time graph of a ball of mass 200 g moving along a straight line on a long table is given in Fig.



- 1. What will be initial linear momentum of the ball?**
 (a) 4 kgm/s (b) 0.4 kgm/s (c) 40 kgm/s (d) 4000 kgm/s
- 2. What is velocity of ball at t=10s?**
 (a) 0 m/s (b) 40 m/s (c) 20 m/s (d) 10 m/s
- 3. Calculate displacement of ball before coming to rest from above graph.**
 (a) 100 m (b) 120 m (c) 80 m (d) None of these

Part-2

(Assertion and Reason/ match the following type questions)

DIRECTION: 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 reasons (R) is false.
 (d) Assertion (A) is false but reasons (R) is true.
 (e) Both Assertion and Reason are false.
- 4. Assertion:** An object may acquire acceleration in the absence of external unbalanced force.
Reason: Second law of motion gives relation between force and acceleration.
- 5. Assertion:** Action and reaction forces are equal and opposite to each other.
Reason: Hence net force will be zero and object will remain at rest or in uniform motion along straight line.
- 6. Assertion:** The gun recoil after fire.
Reason: it is due to law of conservation of linear momentum.

Part-3

(Practical/Activity based questions)

- 7. An object of mass 100 kg is accelerated uniformly from a velocity of 5 m/s to 8 m/s in 6 s. Find the magnitude of the force exerted on the object.**
 (a) 50 N (b) 100 N (c) 500 N (d) 800 N
- 8. A 8000 kg engine pulls a train of 5 wagons, each of 2000 kg, along a horizontal track. If the engine exerts a force of 40000 N and the track offers a friction force of 5000 N, then calculate**

the net accelerating force.

- (a) 40000 N (b) 30000 N (c) 35000 N (d) 45000 N

9. When a car at high speed makes a sharp turn, the driver in a car tends to get thrown to the side opposite to the turn. This is due to the

- (a) Inertia of rest (b) Inertia of motion
(c) Inertia of direction (d) Inertia of time

Part-4

(Diagram/ Graph/ Table/ Formula/ Units/ Symbols/ Sign based questions)

10. What is the momentum of an object of mass m , moving with a velocity v ?

- (a) $(mv)^2$ (b) mv^2 (c) m/v (d) mv

11. The masses of two bodies are in ratio 5 : 6 and their velocities are in ratio 1 : 2. Then their linear momentum will be in the ratio

- (a) 5:6 (b) 1:2 (c) 12:5 (d) 5:12

12. In following picture, coin falls into glass due to_____.



- (a) Inertia of rest (b) Inertia of motion
(c) Inertia of direction (d) Inertia of time

Part -5

(Integer/ Numerical Value/ Chemical Equations/Application based questions)

13. An object of mass 2 kg is sliding with a constant velocity of 4 ms^{-1} on a frictionless horizontal table. The force required to keep the object moving with the same velocity is _____.

- (a) 32 N (b) 0 N (c) 2 N (d) 8 N

14. A bullet of mass A and velocity B is fired into a wooden block of mass C . If the bullet gets embedded in the wooden block, then the magnitude of velocity of the system just after the collision will be

- (a) $A+B/AC$ (b) $A+C/B+C$ (c) $AC/B+C$ (d) $AB/A+C$

15. Which of the following is an incorrect statement?

- (a) Mass is measure of inertia of a body.
(b) Newton's first law of motion is the law of inertia.
(c) Unbalanced force produces constant velocity.
(d) Newton's third law talks about the direction of the force.

Part -6

(Subjective Questions/Conceptual Questions/Application based questions)

16. Derive the mathematical relation of Newton's second law of motion.

17. A body of mass 300 g kept at rest breaks into two parts due to internal forces. One part of mass 200 g is found to move at a speed of 12 m/s towards the east. What will be the velocity of the other part?

18. A bullet of mass 0.02 kg is fired from a gun weighing 7.5 kg. If the initial velocity of the bullet is 200 m/s, calculate the speed with which the gun recoils.



R.E.D. GROUP OF SCHOOLS

Summer Holidays HW (2022-23)
CLASS -9th

Subject: Social Science

Text Book: NCERT

Part-I

Vision & Guidelines for Vacation Home work

Dear Students

Learning is the beginning of wealth.

Learning is the beginning of health.

Learning is the beginning of spirituality.

Searching and learning is where the miracle process all begins.

Holiday is the time that we all eagerly wait for. We all make plans to enjoy, to relax and to empower ourselves during these gala days. This summer vacation the Holiday Homework so designed by the mentors of the school is a medium for you all to achieve the motto of “Fun and Learn”

The activity based assignments will foster curiosity, develop creativity, enhance knowledge and instill the joy of learning among you all. They will certainly help you discover a new you who is more enriched and confident and performs every action to perfection.

As it is well recognized that R.E.D. Sr. Sec. School not only focuses on academics but lay equal importance on Co-scholastic Competencies. The school also desires you to adhere to the following guidelines for a fulfilling break:

1. Guidelines for practice during vacation along with completion of Home Assignment:

- ❖ Neatness and presentation are common parameters for most of the activities assigned. Please maintain the quality of work done.
- ❖ Complete and submit the holiday homework timely.
- ❖ Holiday homework will be assessed on certain parameters and marks/grade will be awarded accordingly.
- ❖ Make sure that all syllabus done till June must be revised thoroughly as you begin your Pre-Mid from July.
- ❖ To score well in your upcoming exams strike a balance between your leisure time and studies.
- ❖ Read NCERT chapters thoroughly and increase fluency and vocabulary skills as new themes and vocabulary are introduced in the selected lessons.
- ❖ Enhance enquiry intelligence, prediction artistry, measuring art, observation techniques. Educational studies have shown that student reading skills deteriorate when reading is not done over a period of time.
- ❖ Highlight areas of doubt and clarify with the teacher after vacation.
- ❖ Refer different reference books for strengthening the conceptual knowledge.
- ❖ Abide by Corona Guidelines
- ❖ Stay Home, Stay Safe. !
- ❖ **Daily Time to be spent for doing H.W. 30 Mins.**
- ❖ **Date of submission of HW : 1ST July, 2022**

2. Syllabus Covered Upto 12th June

- ❖ Chapter-1 (Eco) The Story of Village Palampur
- ❖ Chapter-2 (Eco) People as Resource
- ❖ Chapter1- (Geo) India: Size and location
- ❖ Chapter-2(Geo) Physical Features of India
- ❖ Chapter-1 (History) The French Revolution

- ❖ Chapter-1 (Civics) What is Democracy? Why Democracy?
- ❖ Chapter-2 (Civics) Constitutional Design

3. List of all New Concepts Taught so Far

- Size and location of India
- India's relations with world
- Neighbouring countries of India
- Formation and features of different physical features of India
- 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
- Causes, events and results of the French Revolution
- Meaning, features, merits and demerits of Democracy
- Democratic Constitution of South Africa
- Need, process and features of Indian Constitution

4. Checkpoints for Assessments of Home work

Sr. No.	Checkpoints for Assessments of Home work	Remarks
1	Index	Updated /Not updated
2	Quality of Handwriting presentation	Good /Avg./ Poor
3	Quality of creativity	Good /Avg./ Poor
4	Quality of Project work	Good /Avg./ Poor
5	Quality of Reading & Comprehension skills	Good /Avg./ Poor
6	Whether Learning work done or not	Done/ Not done
7	Whether H.W is fully Completed	Yes/ No
8	Whether H.W is partly Pending	Yes/ No

5. Resources & Tools Required for Doing Home work

- ❖ NCERT Book
- ❖ Notebook
- ❖ A4 Sheets
- ❖ Internet
- ❖ 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

Part-2

Framework About Homework

6. Details About Home work:

There will be 5 sections (A to E) for each assignment from each chapter of the syllabus covered so far:

- ❖ Section-A- Creative corner (Preparing sample model/chart/PPT).
- ❖ Section-B- Current affair (Election results & news paper clippings)
- ❖ Section-C- Inquiry based projects (One project).
- ❖ Section-D- Map Skill (Political map of India and World)
- ❖ Section-E- Four revision assignment.

7. Instructions/Guidelines for Solving Section-wise Assignments.

Section-A

Creative corner (Preparing Chart)

TOPIC- PHYSICAL FEATURES OF INDIA

Materials Required: Chart, pen, Pencil, scale, pictures, fevicol, colours etc.

Steps to prepare:

- ❖ 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 just down to picture.

Note- Take care about handwriting and presentation.

Section-B- Current affair

Where to do-

- ❖ Take one small size notebook for current affairs.

What to do-

- ❖ Write 10 national, 10 international, 10 sports news currents affairs in it.
- ❖ Write any 10 new inventions of 2022 in the same notebook.

How to do-

- ❖ Students can take help from newspapers and internet as well.

Parameters-

- ❖ Students will take care of handwriting and presentation.
- ❖ Current affairs should be Section wise

Section-C- Inquiry based projects (One project)

Investigation based social science challenges- students' thinking by engaging them in investigating evidence based questions where they learn to give priority to thinking, imagination, observation and analysing and give explanations in the light of alternative sources and learn to communicate and justify their decisions. These are dispositions needed to promote and justify their decisions. In short, evidence based learning involves the use of proper sources, some hints, and imagination in developing explanations about the past world"

- Make a brief research report on the topic, 'EMERGENCY in Sri Lanka' with the following sub-headings:
 - Brief History of SRI LANKA
 - Causes behind EMERGENCY
 - China as a major cause of EMERGENCY
 - Consequences of EMERGENCY

Steps to prepare:

- ❖ Collect information about the topic with pictures.
- ❖ On designer sheets make main pg. by writing subject, topic, your name, subject teacher's name.
- ❖ Write acknowledgement, make index.
- ❖ Front side of pg. write information regarding the topic and back side of pg. paste the pictures.
- ❖ At last write conclusion of topic and your project is ready.

Note- Project should be handwritten. Take care about handwriting and presentation.

Section-D-

Map skill (Fill and paste the following maps in Fair notebook)

- States of India and their capitals ch.1 Geo.
- Union territories and their capitals ch.1 Geo.
- Physical features of India ch.2 Geo.
- Himalayan peaks ch.2 Geo.



R.E.D Group of Schools
Revision Assignment for Holidays Homework

Day & Date: _____

Class: 9th

Chapter No.: 1 Eco. & 1 History

Topic: The story of village Palampur, The French Revolution

Revision Assignment- 1

Subject: Social Science

Duration : 30 Mins.

For recapitulation & solving the assignment the students should refer to their NCERT text book of Social Science (Ch-1 Eco. & History)

Do as directed: –

Part-1- (Logical reasoning based / case study/ puzzles/ cross words)

Instruction: Read the following passage and answer the question no. 1, 2 & 3.

1. 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.

- 1.1 Which revolution was started for Indian agriculture in 1960s?
- (a) Yellow revolution (b) Green revolution
(c) White revolution (d) Blue revolution
- 1.2 The HYV seeds promised to produce much _____ amount of grain on a single plant.
- (a) Lesser (b) Greater
(c) Equal (d) None of these
- 1.3 Who were the first to try out the modern farming methods in India?
- (a) Farmers of Haryana, Punjab and Western UP
(b) Farmers of Haryana, Punjab and Western MP
(c) Farmers of Haryana, Rajasthan and Western UP
(d) Farmers of Orissa, Punjab and Western UP
- 1.4 In Palampur, the yield of wheat grown from the traditional varieties was _____ per hectare.
- (a) 3200 kg (b) 3300 kg
(c) 1300 kg (d) None of these

Part-2-(Subject terminology/ remembering based questions)

- Q.2. What do you mean by the term 'Clergy'?
- Q. 3. How was the society divided in France before 1789?
- Q. 4. What was Reign of Terror?
- Q. 5. From where do small farmers borrow money?

Part-3-(Aptitude based- Assertion-Reason Based questions)

DIRECTION: In the following question no. 6 to 9, 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.

(e) Both Assertion and Reason are false.

Q.6. **Assertion (A):** Till the mid 1960s, the seeds used in cultivation were traditional ones with relatively low yields. Traditional seeds needed less irrigation. Farmers used cow-dung and other natural manure as fertilizers.

Reason (R): As a result, the same piece of land would now produce far larger quantities of food grains than was possible earlier.

Q.7. **Assertion (A):** Small plots of lands are cultivated by the medium and large farmers. On the other hand, more than half the area of the village is covered by plots that are quite large in size, cultivated by the small farmers.

Reason (R): Small farmers along with their families cultivate their own fields. Thus, they provide the labour required for farming themselves.

Q. 8 **Assertion (A):** The ideas of philosophers were discussed intensively in salons and coffee houses.

Reason (R): These were frequently read aloud in groups for the benefit of those who could not read and write.

Q. 9 **Assertion (A):** After Robespierre's rule, a Directory, an executive made up of five members was appointed.

Reason (R): This was meant as a safeguard against the concentration of power in a one man executive.



R.E.D Group of Schools
Revision Assignment for Holidays Homework

Day & Date: _____

Class: 9th

Chapter No.: 2 Eco. & 1 Civics

Topic: People as Resource, What is Democracy? Why Democracy?

Revision Assignment- 2

Subject: Social Science

Duration : 30 Mins.

For recapitulation & solving the assignment the students should refer to their NCERT text book of Social Science(Ch-2 Eco. & 1 Civics)

Do as directed: –

Part-1- (Logical reasoning based / case study/ puzzles/ cross words)

Instruction: Read the following passage and answer the question no. 1, 2 & 3.

1. Unemployment leads to wastage of manpower resources. People who are an asset for the economy turn into a liability. There is a feeling of hopelessness and despair among the youth. People do not have enough money to support their family. Inability of educated people who are willing to work to find gainful employment implies a great social waste. Unemployment tends to increase economic overload. The dependence of the unemployed on the working population increases. The quality of life of an individual as well as of society is adversely affected. When a family has to live on a bare subsistence level there is a general decline in its health status and rising withdrawal from the school system. Hence, unemployment has detrimental impact on the overall growth of an economy.

- (a) What turns people from being an asset to liability?
- (b) What kind of effect unemployment has on the overall growth of an economy?
- (c) What causes a feeling of hopelessness and despair among the youth?
- (d) Name the three kinds of unemployment found in India.

Part-2-(Subject terminology/ remembering based questions)

2. Define 'Democracy'.
3. Define the term 'Infant Mortality Rate'.
4. Give any three merits and three demerits of democracy.
5. Can we say the rule of Mugabe as democratic in Zimbabwe? If not then why?

Part-3-(Aptitude based- Assertion-Reason Based questions)

DIRECTION: In the following question no. 6 to 9, 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 reasons (R) is false.
 - (d) Assertion (A) is false but reasons (R) is true.
 - (e) Both Assertion and Reason are false.
6. **Assertion (A):** Countries like Japan did not have any natural resource still these are rich/developed countries.
Reason (R): These countries have invested on people especially in the field of education and health.
 7. **Assertion (A):** Unemployment leads to wastage of manpower resource.
Reason (R): increase in unemployment is an indicator of a depressed economy.
 8. **Assertion (A):** Pakistan was not a democratic country after 1999.
Reason (R): The final decision making power rested with military officers and General Musharraf himself.
 9. **Assertion (A):** President Mugabe was popular but also used unfair practices in elections.
Reason (R): He passed a law that limited the right to criticise the President.



R.E.D Group of Schools
Revision Assignment for Holidays Homework

Day & Date: _____

Class: 9th

Chapter No.: 1 Geo. & 2 Civics

Topic: India: Size and Location, Constitutional Design

Revision Assignment- 3

Subject: Social Science

Duration : 30 Mins.

For recapitulation & solving the assignment the students should refer to their NCERT text book of Social Science(Ch-1 Geo.)

Do as directed: –

Part-1- (Logical reasoning based / case study/ puzzles/ cross words)

Instruction: Read the following passage and answer the question no. 1, 2 & 3.

India's total area accounts for about 2.4% of the total geographical area of the world. Thus, it is the 7th largest country in the world, by its size. India has a land boundary of about 15,200 km. The total length of the coastline of the mainland is 7,516.6 km including Andaman and Nicobar and Lakshadweep. India is bounded by the mountains in the northwest, north and northeast. South of about 22° north latitude, it begins to taper and extends towards the Indian Ocean, dividing it into two seas, the Arabian Sea on the west and the Bay of Bengal on its east. Time along the Standard Meridian of India (82°30'E) passing through Mirzapur (in Uttar Pradesh) is taken as the standard time for India.

- 1.1 What is the Standard Meridian of India?
 - (a) 82° 30' West
 - (b) 82° 30' South
 - (c) 82° 30' East
 - (d) 82° 30' North
- 1.2 India's total area account for about _____ of the total geographical area of the world.
 - (a) 3%
 - (b) 4%
 - (c) 2.4%
 - (d) 3.5%
- 1.3 Which water body lies to the East of India?
 - (a) Arabian Sea
 - (b) Indian Ocean
 - (c) Bay of Bengal
 - (d) Both (a) and (c)
- 1.4 What is the total coastal boundary of India?
 - (a) 7,599.6 km
 - (b) 7,516.6 km
 - (c) 15,200 km
 - (d) 7,016.6 km

Part-2-(Subject terminology/ remembering based questions)

2. Define the term 'Preamble'?
3. What is the need to have a constitution in India?
4. What is the total length of the coast line of the Indian mainland excluding Andaman and Nicobar and Lakshadweep?
5. What are the features of Indian Constitution?

Part-3-(Aptitude based- Assertion-Reason Based questions)

DIRECTION: In the following question no. 6 to 9, 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 reasons (R) is false.
 - d) Assertion (A) is false but reasons (R) is true.
 - e) Both Assertion and Reason are false.
6. **Assertion (A):** The name of Indian Ocean is given after India.

- Reason (R):** India is the only country which shares longest coastal boundary with this Ocean.
7. **Assertion (A):** South of about 22° north latitude, India begins to taper and extends towards the Indian Ocean.
- Reason (R):** The Standard Meridian of India ($82^{\circ}30'N$) is taken as the standard time for India.
8. **Assertion (A):** During the seventeenth and eighteenth centuries, the trading companies from Europe occupied it with arms and force and became the local rulers.
- Reason (R):** The white rulers treated all nonwhites as inferiors.
9. **Assertion (A):** The constitution is the supreme law that determines the relationship among people living in a territory (called citizens) and also the relationship between the people and government.
- Reason (R):** It generates a degree of trust and coordination that is necessary for different kind of people to live together.



R.E.D Group of Schools
Revision Assignment for Holidays Homework

Day & Date: _____

Class: 9th

Chapter No.: 2 Geo.

Topic: India: Physical Features of India

Revision Assignment- 4

Subject: Social Science

Duration : 30 Mins.

For recapitulation & solving the assignment the students should refer to their NCERT text book of Social Science(Ch-2 Geo.)

Do as directed: –

Part-1- (Logical reasoning based / case study/ puzzles/ cross words)

Instruction: Read the following passage and answer the question no. 1, 2 & 3.

1. 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.
 - 1.1 Which one of the following is not true about The Indian Desert?
 - (a) It lies towards the Western margin of the Aravalli hills.
 - (b) It receives very low rainfall, below 150 mm per year.
 - (c) It has wet climate with low vegetation cover.
 - (d) None of the above
 - 1.2 The only large river in the Indian Desert is:
 - (a) River Narmada
 - (b) River Luni
 - (c) River Mahi
 - (d) River Tapi
 - 1.3 Which types of dunes are more prominent near the Indo-Pakistan boarder?
 - (a) Barchans dunes
 - (b) Crescent dunes
 - (c) Longitudinal dunes
 - (d) All of these
 - 1.4 The Indian desert lies towards the Western margin of _____ hills.

Part-2-(Subject terminology/ remembering based questions)

2. Define the term ‘Peninsula’?
3. Define the term ‘Terai’.
4. Indian peninsular plateau is formed by _____ and _____ rocks.
5. What is the term used for Short –lived microscopic organisms, which live in colonies?

Part-3-(Aptitude based- Assertion-Reason Based questions)

DIRECTION: In the following question no. 6 to 9, 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 reasons (R) is false.
- d) Assertion (A) is false but reasons (R) is true.
- e) Both Assertion and Reason are false.
6. **Assertion (A):** The northern-most range of the Himalayas is known as the Lesser Himalayas or the Himachal Himalaya.

- Reason (R):** The core of the northern-most range of Himalayas is composed of granite.
7. **Assertion (A):** The northern plain of India is formed of alluvium and so has fertile soil.
Reason (R): It has been formed by the interplay of the 3 major river systems – the Indus, the Ganga and the Brahmaputra along with their tributaries.
8. **Assertion (A):** The Himalayan part lying between Teesta and Dihang rivers is known as Nepal Himalayas.
Reason (R): The Brahmaputra marks the eastern-most boundary of the Himalayas.
9. **Assertion (A):** The part of the peninsular plateau lying to the north of the Narmada River, covering a major area of the Malwa plateau, is known as the Deccan Plateau.
Reason (R): The eastward extensions of this plateau are locally known as the Karbi-Anglong Plateau and North Cachar Hills.



R.E.D. GROUP OF SCHOOLS

Summer Holidays HW (2022-23)

CLASS -9th

Subject: Computer Applications

Text Book: Computer Application

Part-I

Vision & Guidelines for Vacation Home work

Dear Students

Learning is the beginning of wealth.

Learning is the beginning of health.

Learning is the beginning of spirituality.

Searching and learning is where the miracle process all begins.

Holiday is the time that we all eagerly wait for. We all make plans to enjoy, to relax and to empower ourselves during these gala days. This summer vacation the Holiday Homework so designed by the mentors of the school is a medium for you all to achieve the motto of “Fun and Learn”

The activity based assignments will foster curiosity, develop creativity, enhance knowledge and instill the joy of learning among you all. They will certainly help you discover a new you who is more enriched and confident and performs every action to perfection.

As it is well recognized that R.E.D. School not only focuses on academics but lay equal importance on Co-scholastic Competencies. The school also desires you to adhere to the following guidelines for a fulfilling break:

1. Guidelines for practice during vacation along with completion of Home Assignment:

- ❖ Neatness and presentation are common parameters for most of the activities assigned. Please maintain the quality of work done.
- ❖ Complete and submit the holiday homework timely.
- ❖ Holiday homework will be assessed on certain parameters and marks/grade will be awarded accordingly.
- ❖ Make sure that all syllabus done till June must be revised thoroughly for Pre-Mid.
- ❖ To score well in your upcoming exams strike a balance between your leisure time and studies.
- ❖ Read covered chapters thoroughly and increase fluency and vocabulary skills
- ❖ Enhance your Conceptual Skill by hands on practice of covered topics
- ❖ Enhance your Practical Skill through Project Work
- ❖ Highlight areas of doubt and clarify with the teacher after vacation.
- ❖ To score well in your upcoming exams strike a balance between your leisure time and studies.
- ❖ **Daily time to be spent for doing H.W 30 Min.**
- ❖ **Date of submission of HW :1ST July, 2022**

2. Syllabus covered upto 12th June

- ❖ Chapter-6- Cyber Safety
- ❖ Chapter-7- OO.org Writer-I
- ❖ Chapter-8- OO.org Writer-II

3. List of all new concepts Taught so far

1. Features of word processor
2. Working with word processor - Word processing terminology
3. Editing a document
4. Formatting a document – Character formatting, Paragraph formatting and page formatting

5. Creating lists and Spell check
6. Inserting graphics and drawing objects
7. Working with tables
8. Identity protection while using internet
9. Proper usage of password
10. Confidentiality of information
11. Online safety (protection from malware) and Cyber crime

4. Checkpoint Assessments of Home work

Sr. No.	Checkpoints for Assessments of Home work	Remarks
1	Quality of presentation	Good /Avg./ Poor
2	Quality of creative work	Good /Avg./ Poor
3	Quality of Project work	Good /Avg./ Poor
4	Whether Learning work done or not	Done/ Not done
5	Whether H.W is fully Completed	Yes/ No

5. Resources & Tools Required for doing Home work

- Notebook
- Text Book
- PC or Laptop
- Open office.org Writer
- Internet

Part-2 About Homework

6. Details about home work

There will be 4 sections (A to D) for each assignment from each chapter of the syllabus covered so far

- **Section-A-** Creative corner (Preparing PPT)
To Create a PPT on "Types of Software" or "Types of Computer".
- **Section-B-** Creating Digital Collage on "Input devices" or "Output Devices" or "Storage Devices"
- **Section-C-** Application skill based task.
- **Section-D-** Chapter wise revision assignment.

Section-C

Application skill and Thinking Skill based Task

- Create an Advertisement on Computer Item or any Electronic Item in MS Word.
- Sort the devices, sizes and their usage from the following list.

Devices	Size	Usage
Floppy Disk	700 MB	Backing up the school network overnight.
CD-ROM	1.44 MB	Copying a small homework file to take to school.
DVD	20-110 GB	Storing a large computer game or a movie
USB Flash Memory Stick	64 MB - 256 GB	Regularly transferring files between home and school, possibly with graphics.

Hard Disk	60 MB - 1 TB	Storing a number of video or movie files.
Magnetic Tape	4.7 GB Single - 9.4 GB double	Storing all of your software applications and documents

- Identify the Computer Terms in the given word search.

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

SECTION-D

Solve the following assignments

R.E.D. Group of Schools

Revision Assignment Series (Session: 2022- 23)

Day & Date-

Class- 9th

Ch. No. & Name: Ch-6 Cyber Safety

Assignment No.:1

Subject: Computer Applications

Duration- 30 Mins.

PART -A

Q-1 Multiple Choice Questions:

1 X 2 = 2

- i. Which of these is classed as personal information?
 - a) Date of Birth
 - b) Online nickname
 - c) Gender
 - d) country name
- ii. Which of the following disguises to be a useful program but has harmful effects?
 - a) Trojan Horse
 - b) Virus
 - c) Adware
 - d) Worm

Q-2 Fill in the blanks:

1 X 2 = 2

- i. Small text files on a computer storing small piece of information related to online habits are called _____.
- ii. SPAM stands for _____.

Q-3 Very Short Answer Types Questions:

1 X 2 = 2

- i. Define the term **Super cookies**.
- ii. What do you mean by **Firewall**?

PART -B

Q-4 Short Answer Types Questions:

2 X 3 = 6

- i. What is virus? What are the effects caused by virus on computer?
- ii. What is cybercrime? Explain any two types of cybercrime.
- iii. What are the different ways to use Internet without revealing search history?

PART -C

Q-5 Case Study Based/ Long Answer Type Questions:

3 X 1 = 3

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.

- a) What could be the possible reason behind it?
- b) How could this be avoided/prevented?
- c) How can Rishabh cure his computer now?

R.E.D. Group of Schools

Revision Assignment Series (Session: 2022- 23)

Day & Date-

Class- 9th

Ch. No. & Name: Ch-7 OO.org Writer-I

Assignment No.:2

Subject: Computer Applications

Duration- 30 Mins.

PART -A

Q-1 Multiple Choice Questions:

1 X 2 = 2

- i. _____ case converts every character of every word of selected sentence to capital.
- | | |
|-------------|----------|
| a) Sentence | b) Upper |
| c) Toggle | d) Title |
- ii. Which of the following is not a word processing software?
- | | |
|-------------|------------------|
| a) MS Word | b) OO.org Writer |
| c) MS Excel | d) Word Perfect |

Q-2 Fill in the blanks:

1 X 2 = 2

- i. _____ is the shortcut key for center alignment.
- ii. A document in OO.org Writer is saved with _____ extension.

Q-3 Very Short Answer Types Questions:

1 X 2 = 2

- i. Why writer is called a WYSIWYG program?
- ii. Define the term "Clipboard".

PART -B

Q-4 Short Answer Types Questions:

2 X 3 = 6

- i. What do you mean by non-printing characters? What are different marks used for non-printing characters?
- ii. What do you mean by margin? What are the steps to set margin in OO.org Writer?

PART -C

Q-5 Long Answer Type Questions:

3 X 1 = 3

- i. Explain the different features of word processor.

R.E.D. Group of Schools

Revision Assignment Series (Session: 2022- 23)

Day & Date-

Class- 9th

Ch. No. & Name: Ch-8 - OO.org Writer-II

Assignment No.:3

Subject: Computer Applications

Duration- 30 Mins.

PART -A

Q-1 Multiple Choice Questions:

1 X 2 = 2

- i. What is the shortcut to insert table in writer?
 - a) Ctrl + F11
 - b) Ctrl + F12
 - c) Ctrl + N
 - d) Shift + F12
- ii. In an essay, you use the word nice too many times. You do not know what other word to use instead of nice. Which tool could you use to find alternative words?
 - a) Thesaurus
 - b) Cut and Paste
 - c) Find and replace
 - d) Spelling and grammar

Q-2 Fill in the blanks:

1 X 2 = 2

- i. There are two types of lists in OO.org Writer _____ and _____.
- ii. Words that are misspelled appears with a _____ wavy line under them as you type.

Q-3 Very Short Answer Types Questions:

1 X 2 = 2

- i. What do you mean by Clipart?
- ii. What is the shortcut key for spell check in OO.org Writer?

PART -B

Q-4 Short Answer Types Questions:

2 X 3 = 6

- i. What are the steps to add watermark in OO.org Writer?
- ii. How to create tables in Writer? Explain any two ways to create a table.
- iii. Write the steps to create bulleted list in OO.org Writer.

PART -C

Q-5 Case Study Based/ Long Answer Type Questions:

3 X 1 = 3

Tripti 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 misspelt. She knows that it is spelt correctly.

- i. Describe how she could avoid this message appearing.
- ii. Tripti gets the same message each time she enters a pincode. State what action Tripti should take?
- iii. Why would the action Tripti takes with regards to her friend's name differ from the action she would take with the pincode?
- iv. It takes a Tripti a long time to type in her friends' addresses. How can Tripti make it easier to set up a page ready for future letters to her friends?