



केन्द्रीय विद्यालय: क्रमांक-1, इंदौरः, प्रथम पाली

संस्कृत-हिन्दी ग्रीष्मावकाश गृहकार्यम्

सत्रम् 2023-24

शिक्षकः - सुरेश चंद्र पाठक

कक्षा – षष्ठी {संस्कृत}

- प्रश्न -1 -पाठ प्रथम तथा द्वितीय पाठस्य शब्दानां वाक्यानां च अर्थं लिखत, स्मरत । (पाठ 1 और 2 में आए हुए शब्दों व वाक्यों का अर्थ लिखें व याद करें )
- प्रश्न 2- दश संस्कृत वाक्यानि लिखन्तु । ( 10 संस्कृत वाक्य लिखें पाठ्यपुस्तक के बाहर से )
- प्रश्न 3- बालक, बालिका, पुष्प शब्दरूपाणि लिखत । (पुस्तक के अंत में दिए हुए शब्दरूप लिखें)
- प्रश्न 4 – एक संस्कृतगीतम् तथा एका शिक्षाप्रद संस्कृत कथा चित्रसहितं लिखत स्मरत च । (एक संस्कृत गीत और एक संस्कृत कहानी चित्र सहित लिखें व पढ़ें)
- प्रश्न 5- दश संस्कृतशब्दान् चित्रसहितम् लिखत । ( 10 संस्कृत शब्द चित्र सहित लिखें व याद करें, पुस्तक के अलावा)

Subject - Social science

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Class - VI

Subject - Social science

Q1 Draw diagrams of :

- 1) Solar System
- 2) Constellation
- 3) Latitudes and Longitudes

Q. 2 On an outline map of India locate the following:

- A. Ganga and its tributaries.
- B. Indus and its tributaries.
- C. Narmada river
- D. Sulaiman and Kirthar hills.
- E. Garo hills

Q 3. Prepare 10-10 MCQs from :

History : Ch-I- What, where , how and when?

Geography : Ch-I The Earth in the Solar system.

POI science/Civics: Ch-I Understanding Diversity

TEACHER NAME : ARUNA SINHA  
CLASS & SECTION : VI  
SUBJECT : SCIENCE

## HOLIDAY HOMEWORK

This work will be done in homework copy

1. Make a project (only write-up) explaining any innovation in science and technology /environmental problems /sustainable development or any other problem of society which you feel should be improvised or innovated.

Write up should be in following points :-

- a. Problem
  - b. Your idea /innovation
  - c. Description of project
  - d. Conclusion (How the project can change the existing technology)
2. Learn the question and answers of the chapters completed
  3. Make a beautiful chart of any topic from the science book

Aru Sinha PGT (BIOLOGY) VIII-

Anjali Garg

Do the homework in Science homework copy.

A  
28/4/23

केंद्रीय विद्यालय क्रमांक 1 इंदौर (प्रथम पाली)

ग्रीष्मकालीन अवकाश गृह कार्य

विषय हिंदी

Rectangular Snip

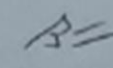
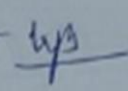
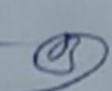
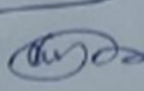
**कक्षा- छठी**


1. संज्ञा, सर्वनाम और विशेषण की परिभाषा भेद उदाहरण सहित लिखिए।
2. एक औपचारिक एवं एक अनौपचारिक पत्र नीचे दिए गए विषय पर लिखिए-
  - i) साइकिल चोरी होने की शिकायत करते हुए अपने क्षेत्र के थाना प्रभारी को पत्र लिखिए।
  - ii) खानपान संबंधी अच्छी आदतों हेतु छोटे भाई को सुझाव देते हुए पत्र लिखिए।
3. दिए गए विषयों पर 80 से 100 शब्दों में अनुच्छेद लिखिए।
  - i) पर्यावरण संरक्षण
  - ii) विद्यार्थी और अनुशासन
4. "आधुनिक फैशन का बच्चों पर प्रभाव" विषय पर दो महिलाओं की बातचीत को संवाद रूप में लिखिए।

Holiday homework summer 2023-24 CLASS VI (Maths)

- Q1. Learn and write tables from 2 to 6 ( 5-5 times).
- Q2. Write short notes on International system of numeration.
- Q3. Exercise 1.1 Question1.
- Q4. Exercise 1.1 Question2.
- Q5. Exercise 2.1 Question8 (true/false).
- Q6. Write successor of  
a) 100199      b) 10999
- Q7. Write predecessor of  
a) 100      b) 500
- Q8. Write number and number name from 1 to 20.

Name of Teachers .

1. S. Jain 
2. Vishal Sant 
3. RM Ramawat 
4. RA Pal 

  
27/4/23

# Summer Vacation Holiday Homework 2023

Rectangular Snip

Class: 6<sup>th</sup>

Subject: English

1. Read at least two pages of textbook every day.
2. Read an English book and attempt it's \*Book Review\* on following points :
  - A. Draw cover page of the book with title and author name
  - B. No. Of pages
  - C. Price of book
  - D. Name of publisher
  - E. Summary of story
  - F. Main characters
  - G. My impression about the book
3. Write any two panchtantra story .Also draw pictures related to them.
4. Listen to English news daily.
5. Solve 10 word puzzles

Ac  
Go



केन्द्रीय विद्यालय: क्रमांक-1, इंदौरः, प्रथम पाली

संस्कृत-हिन्दी ग्रीष्मावकाश गृहकार्यम्

सत्रम् 2023-24

शिक्षकः - सुरेश चंद्र पाठक

कक्षा - सप्तमी {संस्कृत}

- प्रश्न -1 पुस्तकात् दश पदानां संधिविच्छेदं कुरुत ।
- प्रश्न 2- पञ्च "पर्यावरणसंरक्षण" संबंधी श्लोकान् लिखत स्मरत च ।
- प्रश्न 3- प्रथम तथा द्वितीय पाठस्य शब्दानां अर्थ लिखत, स्मरत ।
- प्रश्न 4 – "आत्म परिचयात्मक" पञ्च वाक्यानि लिखत । (स्वयं का परिचय संस्कृत में )
- प्रश्न 5- गुरु, बालिका, पत्र शब्दरूपाणि लिखत । (पुस्तक के अंत में दिए हुए शब्दरूप लिखें)

कक्षा-सातवीं हिन्दी

- 1. संज्ञा, सर्वनाम और विशेषण की परिभाषा व भेद उदाहरण सहित लिखिए।
- 2. एक औपचारिक एवं एक अनौपचारिक पत्र नीचे दिए गए विषय पर लिखिए-
  - i) साइकिल चोरी होने की शिकायत करते हुए अपने क्षेत्र के थाना प्रभारी को पत्र लिखिए।
  - ii) खानपान संबंधी अच्छी आदतों हेतु छोटे भाई को सुझाव देते हुए पत्र लिखिए।
- 3. दिए गए विषयों पर 80 से 100 शब्दों में अनुच्छेद लिखिए।
  - i) पर्यावरण संरक्षण
  - ii) विद्यार्थी और अनुशासन
- 4. "आधुनिक फैशन का बच्चों पर प्रभाव" विषय पर दो महिलाओं की बातचीत को संवाद रूप में लिखिए।

Class -VII Subject - Social Science

Q.1 On a Political map of India and locate all the states and UTS in it.

Q.2 On a political map of world and locate following countries.

Pakistan, Bangladesh , Bhutan, Sri Lanka, Japan, South Africa, Brazil, USA, England,China, Russia.

Q.3 Draw diagrams of the following:

1. Domains of the environment (CH-I)

2. Interior of the earth (CH -2)

3. Rock cycle (CH-2)

4. Volcano (CH-3)

Q.5 (a) Write "The Preamble of the Constitution of India" .

(b) Make a list of fundamental rights and duties.

Q.6

Q1,Q3,Q5 and Q7 questions and their answers from Chapter 1(Geography)

Q.7 Write Q1,Q4,Q5 and Q7 questions and their answers from Chapter 1 (Civics)

Q.8 Write Q1,Q2 and Q4 questions and their answers from Chapter 1(History)

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Sub. Teachers	27	30	4	15
<i>(Handwritten initials)</i>	<i>(Handwritten initials)</i>	<i>(Handwritten initials)</i>	<i>(Handwritten initials)</i>	<i>(Handwritten initials)</i>

*(Handwritten signature)*  
 27/4/23  
 Sign *(Handwritten initials)*

Write

### HOLIDAY HOME WORK

CLASS- 7

### SUBJECT- SCIENCE

Q.1. Collect pictures of different plants. Paste in your notebook and classify them as Autotroph and Heterotroph.

Q.2. Find out what vitamins are and write the following information.

(i) Why are vitamins necessary in diet?

(ii) Why fruits or vegetables should be eaten regularly to get vitamins?

Q.3. Draw the labelled diagrams of following (i) Human

Digestive System

(ii) Digestive system of Ruminants

(iii) Amoeba

Q.4. What is photosynthesis? Write its equation also.

Q.5. Write differences between Autotroph and Heterotroph.

Q.6. Make a model of any innovative idea of how to make our life better using Science and technology ( For Inspire Award and Jawahar Lal Nehru Science exhibition).

Mrs. Anita  
Mr Girish  
Mrs. Preeti  
Mrs.

Anita

27/4/23

Mitra  
Gautam  
Dey  
Priyanka Pandey

### Holiday homework summer 2023-24 CLASS VII (Maths)

Q1. Draw figure of exercise 2.1 Question 1 and Question 2.

Q2. Shushant read  $\frac{1}{3}$  part of book in one hour, how much part of the book will he read in  $2\frac{1}{5}$  hours.

Q3. Write and learn table from 6 to 9( 5-5 times).

Q4. Show the following numbers on number line.

$$(-5) + (-5) + (-5) = -15$$

Q5. Exercise 2.1 Question 4 shade the figure.

Q6. Find

- a)  $\frac{1}{2}$  of 24
- b)  $\frac{4}{5}$  of 35

Q7. Explain reciprocal of a fraction?

Name of Teachers :-

1 S. J. -

2 Vishal Sant up

3 R. M. Remawat

4 R A Pal

27/4/23



**Class: 7<sup>th</sup>**  
**Subject: English**

1. Read at least three pages of textbook every day.
2. Read an English book and attempt it's \*Book Review\* on following points :
  - A. Draw cover page of the book with title and author name
  - B. No. Of pages
  - C. Price of book
  - D. Name of publisher
  - E. Summary of story
  - F. Main characters
  - G. My impression about the book
3. Write short paragraphs on :
  - Books are the best friends
  - Avoid junk food
  - Importance of Yoga
4. Listen to English news daily.
5. Solve 10 word puzzles
6. Make a collage on Life in Desert

**Class -7 Computer**

Write one program in html Language use tag <H1> to <H6> and <p>  
In this tag use topic "My school".



केन्द्रीय विद्यालय: क्रमांक-1, इंदौर:, प्रथम पाली

संस्कृत-हिन्दी ग्रीष्मावकाश गृहकार्यम्

सत्रम् 2023-24

शिक्षक: - सुरेश चंद्र पाठक

कक्षा - अष्टमी {संस्कृत}

- प्रश्न-1 "स्वच्छ पर्यावरणम्" विषये पञ्चवाक्यानि लिखत ।
- प्रश्न 2- दश सरल संस्कृत वाक्यानि निर्मान्तु ।
- प्रश्न 3- लता, नदी, मति शब्दरूपाणि लिखत । (पुस्तक के अंत में दिए हुए शब्दरूप लिखें) ।
- प्रश्न 4 – पञ्च विशेषण-विशेष्य शब्दानि लिखत ।
- प्रश्न 5 – प्रथम तथा द्वितीय पाठस्य शब्दानां अर्थ लिखत, स्मरत ।

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## Class — VIII Subject - Social science

1) Why were surveys important under colonial administration ?

what kind of surveys were carried out in rule ?

2 what sources do historians use in writing about the Past ?

3 what is meant by the concept of separation of power ? 4 what does the preamble to the constitution contain ?

4 draw a diagram of soil Make the MCQs of time in each

## lessons

1 resources

2 the Indian constitution

1.How when and where

## कक्षा- आठवीं

1. संज्ञा, सर्वनाम और विशेषण की परिभाषा भेद उदाहरण सहित लिखिए।
2. एक औपचारिक एवं एक अनौपचारिक पत्र नीचे दिए गए विषय पर लिखिए-
  - i) साइकिल चोरी होने की शिकायत करते हुए अपने क्षेत्र के थाना प्रभारी को पत्र लिखिए।
  - ii) खानपान संबंधी अच्छी आदतों हेतु छोटे भाई को सुझाव देते हुए पत्र लिखिए।
3. दिए गए विषयों पर 80 से 100 शब्दों में अनुच्छेद लिखिए।
  - i) पर्यावरण संरक्षण
  - ii) विद्यार्थी और अनुशासन
4. "आधुनिक फैशन का बच्चों पर प्रभाव" विषय पर दो महिलाओं की बातचीत को संवाद रूप में लिखिए।

Holiday homework summer 2023-24 CLASS VIII (Maths)

Q1. Learn and write key points of chapter 1.

Q2. Learn and write tables from 6 to 9 ( 55 times).

Q3. Learn and write different types of quadrilateral with their properties.

Q4. Draw figure different types of quadrilateral.

Q5. Explain natural numbers, whole numbers and rational numbers.

Q6. Solve:

$$5X - 2(2X - 7) = 2(3X - 1) + \frac{7}{2}$$

Q7. Solve:  $\frac{6X+1}{3} + 1 = \frac{X-3}{6}$

Q8. Find:  $\frac{(-4)}{5} \times \frac{3}{7} \times \frac{15}{16} \times \frac{(-14)}{9}$

Name of Teachers

1. S. Jai BS
2. Vishal Sant WBS
3. R.M. Ramawat (R)
- RA Pal (R)

27/4/23

Class - VIII  
Subject - Science

Do the homework in Science homework copy.

Q1 Make a writeup ( synopsis) and a working model of Science on any innovative idea of how to make our life better . ( For Inspire Award and Jawahar Lal Nehru Science Exhibition)

Q2 Draw a labeled diagram of Drip Irrigation Sprinkler System, Zones of flame, Different types of microbes.

Q3 Find 5 diseases caused by microbes(other than those given in your book and Name the Causative agent , means of spread , Symptoms and Preventive measures.

Q4 Show the location of different endocrine glands present in our body with the help of diagram and write the names of hormones released by them.

# Summer Vacation Holiday Homework 2023

» Rectangular Snip

Class: 8<sup>th</sup>

Subject: English

1. Read at least four pages of textbook every day.
2. Read an English book and attempt it's \*Book Review\* on following points
  - A. Draw cover page of the book with title and author name
  - B. No. Of pages
  - C. Price of book
  - D. Name of publisher
  - E. Summary of story
  - F. Main characters
  - G. My impression about the book
3. Write any two ENGLISH stories .Also draw pictures related to them.
4. Listen to English news daily.
5. Solve 10 word puzzles
6. Make a diary entry on how you spent your vacation.
7. Make a collage on the freedom fighters of our country.

Ac  
Go



केन्द्रीय विद्यालय: क्रमांक-1, इंदौर:, प्रथम पाली

संस्कृत-हिन्दी ग्रीष्मावकाश गृहकार्यम्

सत्रम् 2023-24

शिक्षक: - सुरेश चंद्र पाठक

कक्षा – नवमी {संस्कृत}

- प्रश्न -1- विंशति: वाक्यानां प्रश्न निर्माणं कुरुत ।
- प्रश्न 2- वधू , राजन् , कवि शब्दरूपाणि लिखत ।
- प्रश्न 3- संधे: परिभाषां लिखित्वा स्वर तथा व्यञ्जन संधे: प्रत्येकस्य पञ्च-पञ्च उदाहरणानि लिखत ।
- प्रश्न 4 – पाठ "अविवेकः परमापदाम् पदम्" पाठस्य अभ्यास-प्रश्नानां उत्तराणि लिखत, स्मरत ।
- प्रश्न 5 – अस्मद्, किम् (त्रिषु लिङ्गेषु) मातृ, मनस् -- शब्दानां रूपाणि लिखन्तु ।
- प्रश्न 6 – " क्रीडायाः महत्त्वम् " संबंधी दश वाक्यानि लिखत ।
- प्रश्न 7 – एकं अनौपचारिकं संस्कृतपत्रं लिखत ।

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## Class — IX Subject - Social science

Q1 Make a project file on the topic: French

Revolution Q2 Online outline map of India mark the following:

- A. Longitudinal and latitudinal extent of India
- B. Neighbouring countries of India
- C. States lying on of tropic of cancer.
- D. States and capitals of India and union Territories

Q.3 Prepare 10-10 MCQS from each lesson. (Syllabus of April-May)

Class - I X  
Subject - Science

Rectangular Snip

Do all the homework in Science homework copy.

1. Make a writeup ( synopsis) of a Science model on any innovative idea of how to make our life better . ( For Inspire Award and Jawahar Lal Nehru Science Exhibition)
2. For internal assessment prepare a project on Air, Water and Soil as a resource.
3. Draw and practice the diagram of Prokaryotic Cell, Plant Cell, Animal Cell and Activity of Sublimation,
4. Prepare a flowchart of different types of Plant tissue and Animal tissue from your textbook .

  
28/4/23



**HOLIDAY HOMEWORK**  
**SUMMER VACATIONS-2023-24**  
**CLASS- IX (MATHS)**

1. Represent  $\sqrt{9.3}$  on number line.
2. Find the decimal expansion of  $10/3$ ,  $3/8$ ,  $5/7$ .
3. Express the following in the form of  $p/q$ - (a) 0.23 (b) 0.125 (c) 0.999999.....
4. Simplify -
  - $(\sqrt{3}+\sqrt{2})^2$
  - $(5+\sqrt{7})(2+\sqrt{3})$
  - $(2\sqrt{2}+\sqrt{3})(2\sqrt{2}-\sqrt{3})$
5. Rationalise the denominator of  $1/2+\sqrt{5}$ ,  $2\sqrt{3}/3+\sqrt{7}$
6. Learn and write identities of chapter 2
7. Activity - Draw spiral of  $\sqrt{5}$ .

Sub. Tr.

1. Mrs. S. Jain
2. Mr. R. A. Patel
3. Mr. V. Sant.
4. Mr. R. M. Ramawat

28/4/23

## कक्षा - नवीं

1. निम्नलिखित विषयों पर 120 शब्दों में अनुच्छेद लिखिए।

- i) इंटरनेट सूचनाओं की खान
- ii) जब मैं नाटक के संवाद भूल गया/गई

2. पत्र लेखन कीजिए -

- i) अपने क्षेत्र की यातायात व्यवस्था सुधारने के लिए आयुक्त यातायात को पत्र लिखिए।
- ii) आप छुट्टियों में उत्तर प्रदेश घूमने का कार्यक्रम बना रहे हैं, अपने चचेरे भाई को पत्र लिखकर आपने जो कार्यक्रम बनाया है उसमें क्या सुधार हो सकता है लिखकर पूछिए।

3. अपने विद्यालय के पुस्तकालय के लिए कक्षा 6 से 10 तक के सभी विषयों की पुस्तकें प्रकाशन विभाग एनसीईआरटी से मंगवाने हेतु लगभग 80 शब्दों में ईमेल लिखिए।

4. एक सूचना तैयार कीजिए जिसमें सभी विद्यार्थियों से निर्धन बच्चों के लिए "पुस्तक कोष" में अपनी पुरानी पाठ्यपुस्तकों का उदारता पूर्वक योगदान देने हेतु अनुरोध किया गया हो।

5. मानस ने पहली बार मेट्रो में यात्रा की जैसे ही मेट्रो पर चढ़ा दरवाजा अपने आप बंद हो गया वह आश्चर्यचकित रह गया इस अनुभव पर एक लघु कथा लिखिए।

## SUMMER HOLIDAY HOMEWORK 2023-24

### English : Class NINTH & TENTH

1. Solve 5 \*UNSEEN PASSAGE\* (CCT based )
2. Practice 5 sets of integrated grammar exercise.
3. Write questions based on Diary entry (class 9 ) and enquiry letters (class 10 )
4. Revise tenses, active, passive voice  
And preposition.
5. Revise lessons completed for the first Periodic test.

## Class 9 (Artificial Intelligence)

### Q.1) Multiple Choice Questions:

1. Which one is correct?
  - a. Deep Learning<A.I.< Machine Learning
  - b. Machine Learning<Deep Learning<A.I
  - c. Deep Learning<Machine Learning<A.I.
  - d. A.I. > Deep Learning> Machine Learning
2. What is Artificial Intelligence?
  - a. Code people created
  - b. Robots that are smarter than us
  - c. Robots that act like human being
  - d. Fake intelligence
3. When someone programs a robot by moving it physically through the trajectory that they want it to follow is known as:
  - a. Robot vision control
  - b. Contact sensing control
  - c. Pick-and-place control
  - d. Continuous-path control
4. \_\_\_\_ is the person or entity originating the communication?
  - a. Source
  - b. Destination
  - c. Receiver
  - d. Channel
5. What is the purpose of communication?
  - a. Inform (tell someone about something)
  - b. Influence (get someone to do something you want)
  - c. Share thoughts, ideas, feelings
  - d. All of the above
6. Which of the following methods are used to receive information from the sender through a letter?
  - a. Listening
  - b. Speaking
  - c. Reading
  - d. Writing
7. How do you receive information on phone?
  - a. Listening
  - b. Speaking
  - c. Reading
  - d. Writing
8. Choose the correct example of oral communication
  - a. Reports
  - b. Newspapers
  - c. Face-to-face conversation
  - d. Notes
9. When we communicate verbally, we should use
  - a. difficult words
  - b. simple words
  - c. confusing words
  - d. abbreviations
10. Why do we send emails?
  - a. To reach on time
  - b. To share documents and files
  - c. To talk to each other
  - d. to meet

### Q.2) Very Short Answers:

1. Who coined the term Artificial Intelligence and when?
2. what is the AI field?
3. What contributes to AI?
4. Why AI is Important?
5. Why AI today?

Q.3) Write and explain goals of AI.

Q.4) Prepare a chart on Applications of AI.

Q.5) Prepare a chart on domains of AI.

Q.6) Design your Dream Home. ( try to implement possible implementation of AI in your dream home.)



केन्द्रीय विद्यालय: क्रमांक-1, इंदौर:, प्रथम पाली

संस्कृत-हिन्दी ग्रीष्मावकाश गृहकार्यम्

सत्रम् 2023-24

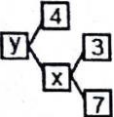
शिक्षक: - सुरेश चंद्र पाठक

कक्षा - दशमी {संस्कृत}

- प्रश्न -1- विंशति: वाक्यानां प्रश्न निर्माणं कुरुत ।
- प्रश्न 2- भानु , राजन् , कवि शब्दरूपाणि लिखत ।
- प्रश्न 3- समास परिभाषां लिखित्वा प्रत्येक समासस्य पञ्च-पञ्च उदाहरणानि लिखत ।
- प्रश्न 4 – पाठ "व्यायामः " पाठस्य अभ्यास-प्रश्नानां उत्तराणि लिखत, स्मरत ।
- प्रश्न 5 – अस्मद्, किम् (त्रिषु लिङ्गेषु) -- शब्दानां रूपाणि लिखन्तु ।
- प्रश्न 6 – " व्यायामः महत्त्वम् " संबंधी दश वाक्यानि लिखत ।
- प्रश्न 7 – एकं अनौपचारिकं संस्कृतपत्रं लिखत ।

## HOLIDAY HOMEWORK

### CLASS X MATHS(2023-24)

Q1.	If one zero of the quadratic polynomial $x^2 + 3x + k$ is 2, then the value of k is: (a) 10 (b) -10 (c) 5 (d) -5
	If two positive integers a and b are written as $a = x^3y^2$ and $b = xy^3$ ; x, y are prime numbers, then HCF (a, b) is (a) $xy$ (b) $xy^2$ (c) $x^3y^a$ (d) $8^2y^2$
	The zeroes of the quadratic polynomial $x^2 + 10x + 16$ are: (a) both +ve (b) both -ve (c) one +ve and one -ve (d) both equal
	Given that $\text{LCM}(91, 26) = 182$ , then HCF (91, 26) is: (a) 13 (b) 26 (c) 7
	A quadratic polynomial, whose zeroes are -4 and -5, is: (a) $x^2 - 9x + 20$ (b) $x^2 + 9x + 20$ (c) $x^2 - 9x - 20$
Q6.	The values of x and y in the given figure are:  (a) $x = 10$ ; $y = 14$ (b) $x = 21$ ; $y = 84$ (c) $x = 21$ ; $y = 25$ (d) $x = 10$ ; $y = 40$
Q7.	The sum and the product of the zeroes of the polynomial $5x^2 - 5$ respectively are: (a) 0, -6/5 (b) 0, 6/5 (c) 0, 5/6 (d) 0, -5/6
Q8.	Prove that $\sqrt{3}$ is irrational.
Q9.	Prove that $(5 + 3\sqrt{45})$ is an irrational number. Given that $\sqrt{2}$ is irrational.
Q10.	If $\alpha$ and $\beta$ are zeroes of $4x^2 + 1$ , then find the value of $1/\alpha + 1/\beta - \alpha\beta$ is
0.11.	Find the zeroes of the quadratic polynomial $x^2 - 3x - 7$ and verify the relationship between the zeroes and the coefficient of the polynomial.
012.	If $\alpha, \beta$ are zeroes of $x^2 - 6x + k$ , what is the value of k if $3\alpha + 2\beta = 20$ ?

1. ~~UPSC~~ RAS
2. ~~UPSC~~ Viskhat Sat
3. ~~UPSC~~ 5.5.
4. ~~UPSC~~ P.M. - Ramand

19/11/23



Class —X      Subject - Social science

Q1 Make a project file on the topic consumer's rights. Q2 Prepare 10-10 MCQs from each lesson;

- 1) NATIONALISM IN EUROPE (HISTORY)
- 2) NATIONALISM IN INDIA (HISTORY)
- 3) RESOURCES AND DEVELOPMENT (GEOGRAPHY)
- 4) POWER SHARING (POLITICAL SCIENCE)
- 5) DEVELOPMENT (ECONOMICS)

Q3. On an outline map of India locate the following:

- A. Nagpur, Kolkata, Dandi, Lucknow, Chauri Choura, Champaran, Kheda, Ahmedabad
- B. Crops in different regions
- C. Soil in different regions.
- D. Sea ports and airports

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Class - X  
Subject - Science

Do all the homework in Science homework copy.

1. Make a writeup ( synopsis) of a Science model on any innovative idea of how to make our life better . ( For Inspire Award and Jawahar Lal Nehru Science Exhibition)
2. For internal assessment prepare a project on Forest resources of Madhya Pradesh , mark the forest area on a map and also describe the flora and fauna of that area.
3. Make a valency table of some common elements and some Simple and Polyatomic ions and learn them.
4. Draw and practice the diagrams of Digestive, Respiratory, Circulatory and Excretory Systems in human beings, Nutrition in Amoeba, Opening and Closing of Stomata and Human heart.

  
28/4/23

1. Mrs Anjali Garg 
2. Mrs Priyanka Panday 
3. Mrs Priti Dey 

## कक्षा - दसवीं

1. निम्नलिखित विषयों पर 120 शब्दों में अनुच्छेद लिखिए।

i) इंटरनेट सूचनाओं की खान

ii) जब मैं नाटक के संवाद भूल गया/गई

2. पत्र लेखन कीजिए -

i) अपने क्षेत्र की यातायात व्यवस्था सुधारने के लिए आयुक्त यातायात को पत्र लिखिए।

ii) आप छुट्टियों में उत्तर प्रदेश घूमने का कार्यक्रम बना रहे हैं, अपने चचेरे भाई को पत्र लिखकर आपने जो कार्यक्रम बनाया है उसमें क्या सुधार हो सकता है लिखकर पूछिए।

3. अपने विद्यालय के पुस्तकालय के लिए कक्षा 6 से 10 तक के सभी विषयों की पुस्तकें प्रकाशन विभाग एनसीईआरटी से मंगवाने हेतु लगभग 80 शब्दों में ईमेल लिखिए।

4. पहली बार हवाई यात्रा का आनंद लेने वाले मित्र को शुभकामना संदेश लिखिए।

5. दूधपेस्ट बनाने वाली कंपनी के लिए एक विज्ञापन 25- 50 शब्दों में तैयार कीजिए।

1 V.S.

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26/4/23

## SUMMER HOLIDAY HOMEWORK 2023-24

### English : Class NINTH & TENTH

1. Solve 5 \*UNSEEN PASSAGE\* (CCT based )
2. Practice 5 sets of integrated grammar exercise.
3. Write questions based on Diary entry (class 9 ) and enquiry letters (class 10 )
4. Revise tenses, active, passive voice  
And preposition.
5. Revise lessons completed for the first Periodic test.

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### Class -10 Computer Application

- Write a program in HTML use tag <embed> to upload audio file on webpage.
- How many ways to create a perspective view in a view port in Auto Desk 3D Max.  
Write their name with detail.

## Class 10 (Artificial Intelligence)

Q.1) Prepare a chart on various methods of communication.

Q.2) What is Artificial Intelligence? Explain why do we need AI?

Q.3) Make a detailed report on applications of AI in various sectors (like Health care, Automation, Education etc)

Q.4) Make a detailed report on Human Intelligence. Create mind maps for human intelligence traits.

Q.5) What is meant by intelligence? What are the types of intelligence? Prepare mind maps and charts on the same.

Q.6) Prepare detailed presentation on the topic " how does Machines differ from humans what makes us more complex? How can a machine become intelligent? "

Q.7) Make a presentation on how intelligence and information helps us in making decisions.



**Kendriya Vidyalay No. 1 Indore**  
**Year 2023-24**

TEACHER NAME : ARUNA SINHA  
CLASS & SECTION : XII B  
SUBJECT : BIOLOGY

## HOLIDAY HOMEWORK

1. Complete Investigatory project
2. Learn and write Previous years questions provided of the chapter completed i.e. land 2
3. Draw important diagrams of chapter 1 and 2.
4. Complete the practical file .

SUBJECT TEACHER

AR A SINHA

02

Class 12

Summer Holiday HW 2023

SUB: CHEMISTRY

Q1. Revise about various Electron displacement effects from Class 11<sup>th</sup> textbooks and write their definitions with examples.

(Inductive effect, Resonance effect, Electrometric effect and Hyperconjugation)

Q2. Learn the periodic properties and their trends. Define the following terms

Electron gain Enthalpy, Ionization enthalpy, Hydration enthalpy, bond dissociation enthalpy, Electronegativity



Q3. Prepare first 2 chapters thoroughly for unit test

Q4. Complete your Investigatory project on the topic taken/ selected by you.

Q5. Solve the worksheet of chapter 1 and 2.

Subject Teacher: Mrs. Anita

Mr. Girish

Mitra

Gautam

  
26/4/23

## SOLUTIONS

Q1. State Raoult's law for the solution containing volatile component. Write two differences between ideal solutions and non-ideal solutions. Write characteristics of ideal solutions and non-ideal solutions.

Q2. State Henry's law. Why do gases always tend to be less soluble in liquids as the temperature is raised?

Q3.(i) Define the following terms: a) Molarity b) Molality c) Azeotrope d) Abnormal molar mass

e) Vant Hoff factor f) molal elevation constant

(ii) What type of deviation is shown by a mixture of Ethanol and acetone?

Q4. What is the difference between oil/water (O/W) type and Water/oil (W/O) type emulsions. Give an example of each.

Q5. A solution of glucose in water is labelled as 10% w/w. What would be the mole fraction of each component in the solution. If the density of the solution is 1.2 g/ml, what shall be the molarity of the solution?

Q6. Determine the osmotic pressure of a solution prepared by dissolving 25 mg of  $K_2SO_4$  in 2 liters of water at  $25^\circ C$ , assuming that it is completely dissociated.

Q7. Give reasons:

- Cooking is faster in pressure cooker than in cooking pans.
- RBCs shrink when placed in saline water but swell in distilled water.

Q8. When 1.5 g of a non-volatile solute was dissolved in 90 g of benzene, the boiling point of benzene is raised from 353.2 K to 353.93 K. Calculate the molar mass of the solute. ( $K_b$  for benzene = 2.52 K kg/mol)

Q9. At 25°C the saturated vapour pressure of water is 3.165 kPa (23.75 mmHg). Find the saturated vapour pressure of a 5% aqueous solution of Urea (carbamide) at the same temperature.

Q10. 2 g of benzoic acid ( $C_6H_5COOH$ ) dissolved in 25 g of benzene shows a depression in freezing point equal to 1.62 K. Molal depression constant for benzene is 4.9 K kg/mol. What is the percentage of association of acid if it forms a dimer in solution.

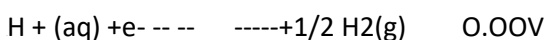
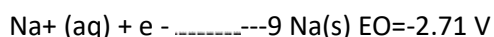
## ELECTROCHEMISTRY

Q1. a) Define conductivity and molar conductance for the solution of an electrolyte. Discuss their variation with concentration.

b) Define limiting molar conductivity. Why conductivity of an electrolytic solution decreases with the decrease in concentration.

Q2. Conductivity of 0.00241 M acetic acid is  $7.896 \times 10^{-5} \text{ S cm}^{-1}$ . Calculate its molar conductivity. If  $\Lambda_{\infty}$  for acetic acid is  $390.5 \text{ S cm}^2 \text{ mol}^{-1}$ , what is its dissociation constant?

Q3. A) Following reaction takes place at cathode during the electrolysis of aqueous sodium chloride solution



On the basis of their standard electrode potential ( $E^{\circ}$ ) values, which reaction is feasible at the cathode and why?

b) Why does the cell potential of mercury cell remain constant throughout its life?

Q4. A) What type of a battery is lead storage battery. Write the anode and cathode reactions and the overall cell reaction occurring in a lead storage battery.

b) Write the name of the cell used in transistors. Write the anode and cathode reactions and the overall cell reaction occurring in the cell.

c) Write the name of the cell used in hearing aids. Write the anode and cathode reactions and the overall cell reaction occurring in the cell.

Q5. The electrical resistance of a column of 0.05 M NaOH solution of diameter 1 cm and length 50 cm is  $5.55 \times 10^3 \text{ ohm}$ . Calculate its resistivity, conductivity and molar conductance.

Q6. A) State Kohlrausch's law of independent migration of ions.

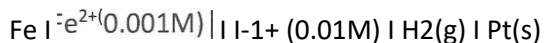
b) What is the relation between cell constant, resistance of the solution in the cell and conductivity.

Q7. (a) The cell in which the following reaction occurs

$2\text{Fe}^{3+}(\text{aq}) + 2\text{I}^{-}(\text{aq}) \rightleftharpoons 2\text{Fe}^{2+}(\text{aq}) + \text{I}_2(\text{s})$  has  $E^{\circ}_{\text{cell}} = 0.236 \text{ V}$  at  $298\text{K}$ . Calculate the standard Gibbs's free energy of the cell reaction. ( Given  $IF = 96500 \text{ C/mol}$  )

b) How many electrons flow through a metallic wire if a current of  $0.5\text{A}$  is passed. ( Given  $IF = 96500 \text{ C/mol}$  )

Q8. Calculate the EMF of the following cell at  $25^{\circ}\text{C}$



$$E^{\circ}(\text{Fe}^{2+}/\text{Fe}) = -0.44\text{V} \quad (\text{H}^{+}/\text{H}_2) = 0.00\text{V}$$

Q9. State Faraday's first law of electrolysis. How much charge in terms of Faraday is required for the reduction of one mole of  $\text{Cu}^{2+}$  (0.01V) | Cu(s).

Given cell  $E = +2.71 \text{ V}$        $IF = 96500 \text{ C}$

Q10. Resistance of a conductivity cell filled with  $0.1 \text{ mol/litre}$  KCl solution is  $1000 \text{ ohm}$ . If the resistance of the same cell when filled with  $0.02 \text{ mol/litre}$  solution is  $520 \text{ ohm}$ , calculate the conductivity and molar conductivity of  $0.02 \text{ mol/lit}$  KCl solution. The conductivity of  $0.1 \text{ mol/litre}$  KCl solution is  $29 \times 10^{-2} \text{ ohm}^{-1}\text{cm}^{-1}$ .



Welcome to Holiday Homework (SUMMER VACATION) CLASS XII MATHS

Instructions:

1. Solve the problems on the sheet using the knowledge you gained from studying matrices and determinants.
2. Have fun with the holiday-themed problems and share your creative solutions with your classmates when you return to school.

Problem 1: North Pole Matrix Santa Claus wants to organize his gift delivery route more efficiently this year, so he creates a matrix of the distances between the cities in the North Pole:

0	50	100	75
50	0	80	20
100	80	0	40
75	20	40	0

a) What is the entry in the third row and second column of the matrix? b) What is the determinant of the matrix? c) If Santa Claus wants to start and end his route in the city with the shortest distance to all other cities, which city should he choose?

Problem 2: Christmas Tree Matrix A Christmas tree can be represented as a matrix of 0's and 1's, where 0 represents an empty space and 1 represents a decorated ornament. Here's an example:

0	0	1	0	0
0	1	1	1	0
1	1	1	1	1
0	0	1	0	0

a) What is the size of this matrix? b) What is the sum of all the entries in the matrix? c) If Santa Claus wants to add another row to the bottom of the tree, what would the entries be to maintain the pattern of the tree?

Problem 3: New Year's Resolution Determinant A group of friends make a New Year's resolution to exercise more regularly. They create a table to track their progress:

Week	Alice	Bob	Charlie	Denise
1	2	3	1	4
2	1	5	0	2
3	3	1	2	1
4	0	2	1	3

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*Handwritten signature and date: 28/4/23*

a) What is the determinant of the matrix formed by the progress numbers of the friends? b) Is the matrix invertible? c) If the friends want to continue their progress in a way that maintains their current ratios, what would their progress be in the fifth week?

1. Solve the problems on the sheet using the knowledge you gained from studying relations and Problem
2. 1: Winter Vacation Function Suppose you are planning your winter vacation to a ski resort. The cost of renting ski equipment is a function of the number of days you rent it. The function is given by:

$$C(x) = 20x + 50$$

where  $x$  is the number of days and  $C(x)$  is the cost in dollars.

a) What is the cost of renting ski equipment for 3 days? b) What is the slope of the function? c) What is the y-intercept of the function and what does it represent?

Problem 2: Christmas Gift Relation Suppose you receive a Christmas gift from a friend. The gift can be represented as a relation  $R$  on the set of all gifts, where  $(a, b) \in R$  if and only if gift  $a$  is more expensive than gift  $b$ . Here are five gifts and their prices:

GIFT	Price
A	20
B	30
C	25
D	40
E	35

a) Write down all the pairs that belong to  $R$ . b) Is the relation reflexive, symmetric, or transitive? c) Draw a graph to represent the relation.

Problem 3: New Year's Resolution Function Suppose you and your friends make a New Year's resolution to exercise more regularly. The number of calories burned during a workout is a function of the duration of the workout. The function is given by:

$$f(x) = 10x$$

where  $x$  is the duration in minutes and  $f(x)$  is the calories burned.

a) What is the number of calories burned during a 30-minute workout? b) What is the domain of the function? c) Is the function one-to-one? if yes, prove it, if not, give a counterexample.

S.No.	MATRICES	YEAR	MARKS
1	Find the value of $x$ if $\begin{bmatrix} -3x + y & -y \\ 2y - x & 3 \end{bmatrix} = \begin{bmatrix} 1 & 2 \\ -5 & 3 \end{bmatrix}$	2022	1
2	Find the value of $y$ if $\begin{bmatrix} x - y & 2 \\ x & 5 \end{bmatrix} = \begin{bmatrix} 2 & 2 \\ 7 & 5 \end{bmatrix}$	2023	1
3	Find the value of $x$ if $\begin{bmatrix} 2x - y & 5 \\ x & 2 \end{bmatrix} = \begin{bmatrix} 6 & 5 \\ 3 & -2 \end{bmatrix}$	2024	1

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28/4/23

4	Write the adjoint of the following matrix $\begin{bmatrix} 2 & -1 \\ 4 & 3 \end{bmatrix}$	2010	1
5	A is the square matrix of order 3 and $ A  = 7$ , write the value of $ \text{adj}(A) $	2010	1
6	Express the following matrix as sum of a symmetric and skew symmetric matrix, and verify the result $\begin{bmatrix} 3 & -2 & -4 \\ 3 & -2 & -5 \\ -1 & 1 & 2 \end{bmatrix}$	2010	4
7	If $A = \begin{bmatrix} 2 & 0 & 3 \\ 2 & 1 & 3 \\ 1 & -1 & 0 \end{bmatrix}$ , then find the value of $A^2 - 3A + 2I$	2010	4
8	For the following matrix A and B verify that $(AB)^T = B^T A^T A = \begin{bmatrix} 1 \\ -4 \\ 3 \end{bmatrix}$ and $B = \begin{bmatrix} -1 & 2 & 1 \end{bmatrix}$	2010	4
9	If $A = \begin{bmatrix} 2 & 3 \\ 5 & -2 \end{bmatrix}$ write $A^{-1}$ in term of A.	2011	1
10	If a matrix has 5 elements, write all possible orders it can have.	2011	1
11	Find the value of $x + y$ in the following equation: $2 \begin{bmatrix} x & 5 \\ 7 & y-3 \end{bmatrix} + \begin{bmatrix} 3 & -4 \\ 1 & 2 \end{bmatrix} = \begin{bmatrix} 7 & 6 \\ 15 & 14 \end{bmatrix}$	2012	1
12	If $A^T = \begin{bmatrix} 3 & 4 \\ -1 & 2 \\ 0 & 1 \end{bmatrix}$ and $B = \begin{bmatrix} -1 & 2 & 1 \\ 1 & 2 & 3 \end{bmatrix}$ , then find $A^T \cdot B^T$	2012	1
13	Let A be the square matrix of order $3 \times 3$ . Write the value of $ 2A $ where $ A  = 4$	2012	1
14	Find the value of $x + y$ in the following equation: $2 \begin{bmatrix} 1 & 3 \\ 0 & x \end{bmatrix} + \begin{bmatrix} y & 0 \\ 1 & 2 \end{bmatrix} = \begin{bmatrix} 5 & 6 \\ 1 & 8 \end{bmatrix}$	2012	1
15	If matrix $A = \begin{bmatrix} 1 & -1 \\ -1 & 1 \end{bmatrix}$ and $A^2 = kA$ then write the value of k.	2013	1
16	For what value of $x$ is the matrix $A = \begin{bmatrix} 0 & 1 & -2 \\ -1 & 0 & 3 \\ x & -3 & 0 \end{bmatrix}$ a skew matrix?	2013	1
17	Find the value of b if $\begin{bmatrix} a-b & 2a+c \\ 2a-b & 2c+d \end{bmatrix} = \begin{bmatrix} -1 & 5 \\ 0 & 13 \end{bmatrix}$	2013	1
18	If A is square matrix such that $A^2 = A$ , then the value of $7A - (I + A)^3$ , where I is an identity matrix	2014	1
19	If $\begin{bmatrix} x-y & 2 \\ 2x-y & 1 \end{bmatrix} = \begin{bmatrix} -1 & 4 \\ 0 & 5 \end{bmatrix}$ then find the value of $x + y$ .	2014	1
20			
21	Using elementary operations, find the inverse of the following matrix: If $A = \begin{bmatrix} 0 & 6 & 7 \\ -6 & 0 & 8 \\ 7 & -8 & 0 \end{bmatrix}$ , $B = \begin{bmatrix} 0 & 1 & 1 \\ 1 & 0 & 2 \\ 1 & 2 & 0 \end{bmatrix}$ , $C = \begin{bmatrix} 2 \\ -2 \\ 3 \end{bmatrix}$ , then calculate AC, BC and $(A+B)C$ . Also verify $(A+B)C = AC+BC$ .	2015	4
22	If $A = \begin{bmatrix} \cos \alpha & \sin \alpha \\ -\sin \alpha & \cos \alpha \end{bmatrix}$ find $\alpha$ satisfying $0 < \alpha < \frac{\pi}{2}$ when $A + A^T = \sqrt{2}I_2$ ; where $A^T$ is transpose of A.	2016	1
23	If A is a $3 \times 3$ matrix and $ 3A  = k A $ , then write the value of k.	2016	5
24	If $A = \begin{bmatrix} 1 & 0 & 2 \\ 0 & 2 & 1 \\ 2 & 0 & 3 \end{bmatrix}$ and $A^3 - 6A^2 + 7A + kI_3 = O$	2017	1
25	If for any $2 \times 2$ matrix A, $A(\text{adj}A) = \begin{bmatrix} 6 & 0 \\ 0 & 6 \end{bmatrix}$ , then write the value of $ A $ .	2018	1
26	If the matrix $A = \begin{bmatrix} 0 & a & -3 \\ 2 & 0 & -1 \\ b & 1 & 0 \end{bmatrix}$ is skew symmetric, then find the value of a and b.	2018	1
27	Given that $A = \begin{bmatrix} 2 & -3 \\ -4 & y \end{bmatrix}$ , compute $A^{-1}$ and show that $2A^{-1} = 9I - A$ .	2018	2

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28/4/23

CLASS - XII

SUBJECT - ECONOMICS

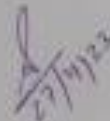
Holiday Homework - Summer Vacation - 2023-24

1. Prepare short Note on RBI
2. Write short Note on GST
3. Reading of Both Books - Write some important concept  
( Macro - Economics )  
( Indian Economic development )
4. Prepare project - for annual exam as per guideline in syllabus



Subject Teacher

N. NAGLE



केंद्रीय विद्यालय क्रमांक 1 इंदौर

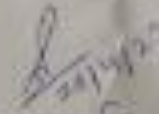
विषय हिंदी/ कथा बाह्यवी

दीर्घ अवकाश गृह कार्य

1. विलस का पठन पाठ कदाची ' तिलना बेडिंग' पढ़कर उसके प्रश्न उत्तर गृह कार्य पुस्तिका में लिखिए।
2. ' पानी बचाओ पेठ सवाओ' विषय पर 120 शब्दों में दशमस्क लेख लिखिए।
3. जनसंघार माध्यम और परम्परागत के प्रश्न उत्तर पढ़िए।
4. ' बाजार दर्शन' पाठ पढ़कर अपनी गृह कार्य पुस्तिका में प्रश्न उत्तर लिखिए।
5. ' सिल्वर बेडिंग' पाठ में कुल 25 वस्तुनिष्ठ प्रश्न (MCQ) तैयार कर गृह कार्य पुस्तिका में लिखिए।

  
डॉ. मनिश रंजित  
विद्यार्थक

\*\*\*\*\*

  
हस्ता उपजानार्थ

## Class -12<sup>th</sup>

### Subject: Computer Science

- > Select a Topic for project and select your group members as well. You can work in a group of 2 to 3 people at max. For selecting a topic you can visit local businesses and ask them about the problems that they are facing. For example, if a business is finding it hard to create invoices for filing GST claims, then you can do a project that takes the raw data (list of transactions), groups the transactions by category, accounts for the GST tax rates, and creates invoices in the appropriate format. you can be extremely creative here. You can use a wide variety of Python libraries to create user friendly applications such as games, software for their school, software for their disabled fellow students, and mobile applications, Of course to do some of these projects, some additional learning is required. You should know how to teach yourself. You should avoid plagiarism and violations of copyright issues while working on projects.
- > Decide which features you want to implement in your project and accordingly do programming for front-end in python.

### Subject: Informatics Practices

- > Select a Topic for project and select your group members as well. You can work in a group of 2 to 3 people at max. The aim of the class project is to create tangible and useful IT application. You may identify a real-world problem by exploring the environment. e.g. you can visit shops/business places, communities or other organizations in your locality and enquire about functioning of the organization, and how data are generated, stored, and managed. You can take data stored in csv or database file and analyze using Python libraries and generate appropriate charts to visualize. If an organization is maintaining data offline, then you should create a database using MySQL and store the data in tables. Data can be imported in Pandas for analysis and visualization. You can use Python libraries of your choice to develop software for school or any other social good. You should avoid plagiarism and violation of copyright issues while working on project.
- > Decide which features you want to implement in your project and accordingly do programming for front-end in python.
- > Also decide how data will be stored and accordingly design the database

#  
#  
#

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25/04/2023  
HANSRAJ SAINI  
[SUBJECT TEACHER]

## HOLIDAY HOMEWORK

CLASS- XII

SUB.- BUSINESS STUDIES

### TOPIC: NATURE AND SIGNIFICANCE OF MANAGEMENT

- 1 Management is.....through others.
- 2 .....Is doing the task with minimum cost.
3. Best Foods Limited is to produce 20,000 packets of 'Biscuit' per month at cost of Rs. 12.50 per packet. Vinod Sharma, the Production Manager could achieve the target in given time but at a cost of Rs. 12.75 per packet. Do you think the Production Manager is efficient? Give reason in support of your answer.
4. Management activities are performed in all types of organizations in all departments and at all levels. Which management character is highlighted here?
5. In the absence of management, the productive resources will remain resources and shall never become production." Explain the importance of management in the light of the above statement with the help of any four points.

(i.)

(ii.)

(iii.)

(iv.)

6. Match the following:-

- |                           |                               |
|---------------------------|-------------------------------|
| (a.) Managing Director    | (i.) Middle Level Management  |
| (b.) Sales Manager        | (ii.) Lower Level Management  |
| (c.) C. E. O.             | (iii.) Top Level Management   |
| (d.) Plant Superintendent | (iv.) Middle Level Management |
| (e.) Supervisor           | (v.) Lower Level Management   |
| (f.) Foreman              | (vi.) Top Level Management    |

7. Mark the levels of Management in the above diagram and give two designations each of the respective levels.



8. Prepare a project based on a) principle of management b) business environment c) stock market  
d) marketing management

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26/4/23

## HOLIDAY HOMEWORK CLASS-XII SUBJECT- ACCOUNTANCY

Q.1 Write and learn the following rate of depreciation used in the present life?

Items	Rate%
Building	10
Furniture, Fixtures	10
Library Books	10
Office Equipments	15
Vehicles	15
Computer/Peripherals/Computer Software	20
Hostel Equipments	10
Games & Estates	10
Other Fixed Assets	10

Q.2 A, B and C are partners with fixed capitals of 1,00,000, 200,000 and 3,00,000 respectively. Their partnership deed provides that :

- (a) A is to be allowed a monthly salary of 600 and B is to be allowed a monthly salary of 400.
- (b) C will be allowed a commission of 5% of the net profit after allowing salaries of A and B.
- (c) Interest is to be allowed on capitals @ 6%.
- (d) Interest will be charged on partners annual drawings at 4%.
- (e) The annual drawings were :B 10,000 and C 15,000.

The net profit for the year ending 31<sup>st</sup> march, 2014 amounted to 1,72,000. Prepare P&L Appropriation account & partner's capital account.

Q.3 David and John were partners in a firm sharing profits in the ratio of 4 : 1. Their capitals on 1.4.2006 were : David Rs.2,50,000 and John Rs.50,000. The partnership deed provided that David will get a commission of 10% on the net profit after allowing John to earn a salary of Rs.2,500 per month. The profit of the firm for the year ended 31.3.2007 was Rs.1,40,000. Prepare Profit and Loss Appropriation Account for the year ended 31.3.2007.

X and Y are partners in firm sharing profits equally. Their capitals on 31st March 2014 were Rs.2,40,000 and Rs.1,80,000 respectively. Drawings of the partners to the date were Rs.40,000 and Rs.60,000 respectively. Profit for the year was Rs.1,60,000.

Calculate interest on capital @ 8 % p.a. for the year ended 31st March 2014.

Q.4 Calculate interest on drawings of Mr. Vinod @ 8% p.a. for the year ended 31st March, 2014 in each of the following cases:

Case 1: If he withdrew Rs.2,000 at the beginning of each year. Case 2: If he withdrew Rs.2,000 during the middle of each month. Case 3: If he withdrew Rs.2,000 at the end of each month

Q.5 Calculate interest on A's drawing :

- (1) If he has withdrawn 60,000 on 1<sup>st</sup> oct. 2006 and the rate of interest on drawing is 8% per annum.
- (2) If he has withdrawn 60,000 on 1<sup>st</sup> oct. 2006 and the rate of interest on drawing is 8% . Books are closed on 31<sup>st</sup> march 2007.



Q.6 A , B and C are partners in a firm. On 1-4-2010 there capital stood at 50,000 25,000 25,000 respectively. As per provisions of the partnership deed :

- (a) C was in entitled to a salary of 1,000p.m.
- (b) Partners were entitled to interest on capital at 5%p.a.
- (c) Profits were to be shared in the ratio of capital.

The net profit for the year ended 2011 of 33,000.

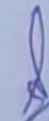
Prepare P&L Appropriation account & partner's capital account.

Q.7 What are the rules applicable in the absence of partnership deed ?

Q.8 differentiate between partner's fixed capital & partner's fluctuating capital ?

Q.9 Write formula's related to interest on drawing?

Q.10 What are the various type of partners? Discuss.

  
26/4/23

**KENDRIYA VIDYALAYA SANGTHAN, BHOPAL REGION**  
**HOLIDAY HOMEWORK (SUMMER VACATION 2023)**  
**CLASS -XII**  
**SUB.- POLITICAL SCIENCE**

1. Prepare five question of one of each from all the chapters you have read.
2. Write two important questions and their answer from all the chapters you have read.
3. Take a Political Map of India and locate all the states in it. (Paste map in your HW notebook).
4. Take a Political Map of the world and locate following countries in it-  
**Russia, China, Pakistan, Bangladesh, Myanmar, Bhutan, USA, England, Sri-Lanka, Singapore, Thailand, France, Japan, South Africa, Ghana, Afghanistan, Cuba, Brazil and many as you can.** (Paste map in your HW notebook, Map Test will be taken after reopening of theSchool).
5. Buy Political Map of the India and World and hang them in your study room.
6. Make a list of all the Governments Since 1952 to 2019 in the following columns-

S No.	Tenure of the Government	Prime Minister	Political Party of the Govt.	Remark if any

7. Write a short report of the General Election 2019. It should include name of the majority party, number wining seats, major opposition party, formation of government, name of the Prime Minister etc.
8. Prepare charts related to different chapters and paste them in the room where you study.
9. Tell few interesting to your parents or any of your family members given in each chapter like World Wars, Emergency, First General Election, UN etc.
10. Watch series of World War, and Series of प्रधानमंत्री (Prime Minister by ABP news channel) on Internet / TV.

**These things can be done** – Try to visit your grandparent home and spend some time with them. Learn few new things like swimming, solving a rubics, playing different games, singing, dancing learn to play any musical instrument, yoga etc.

**Note :- 1) Do all written work in your notebook.**

*Anita*

*28/4/23*

SUMMER VACATION

HOLIDAY HOMEWORK ENGLISH

CLASS 12

1. Write 25 difficult words with meaning from your text book and use 10 words in your sentences.
2. Read English news paper daily and write 5 Articles on different topics.
3. Read the chapters The Enemy, and Indigo thoroughly and write:--

Summary

Frame questions and write with answers.

(Minimum 10)

Write main points in the form of notes.

Write character sketches of Mahatma Gandhi

and Dr. Sadao

4. ASL. Prepare 2 speeches on the topics of your choice
5. Write 5 Notices on different topics.

Mr. D. K. Patidar ( 12 B& C) - *Lopaki*

Ms. Sangeeta Mishra ( 12 A& D)

*Sangeeta*

*28/4/23*

TEACHER NAME : B.K.VERMA & M.L.CHAURASIA PGT - PHYSICS

CLASS & SECTION : XII-A & B

SUBJECT : PHYSICS

## HOLIDAY HOMEWORK

1. Make a investigatory project explaining any innovation/experimentation/activity of PHYSICS along with a report in word format.

Write up should be In following points :-

- a. Cover Page.
  - b. Certificate of completion of project.
  - c. Description of project (Supported by diagrams/photos etc.)
  - d. Conclusion.
  - e. Bibliography.
2. Learn and write the questions and answers of the chapters completed (Chapter: 1-2, ELECTROSTATICS).
  3. Make a beautiful chart of any topic from the PHYSICS book .
  4. Make a working model for science exhibition or inspire award or a survey for NCSE project.
  5. Complete the writing work of Physics Practical Records and Activity in all respects except readings and calculations.

① *thc*  
② *Man*

*[Signature]*  
28/4/23  
VICE PRINCIPAL  
K.V.No.1 Indore

# Class-12<sup>th</sup>

## Geography

### Summer Vacation Holiday Homework 2023

- 1 Write Question answer of chapter 3 and 4 of first book
- 2 Map work from chapter 4, 5 and 6 from 1st book.
- 3 Map work from chapter 1, 2 and 4 from 2nd book.
- 4 Diagram based questions from 1, 4, and 5  
From 2nd book.
- 5 Write 10 questions of assertions and reason based.
- 6 Draw 5 map of world for identification of the different types of countries.
- 7 Make some table based questions.
- 8 Write value based questions from water resources and mineral based questions.