



# KENDRIYA VIDYALAYA NAGROTA

## HOLIDAYS HOMEWORK for SUMMER VACATION

Session (2023-24)

### Class-VI

**SUBJECT: - ENGLISH**

**\*Instructions:-**

\* Complete the written work of the chapters taught along with Learner's Diary.

\*Do reading practice daily, underline important words and learn spellings.

1. Write five new words daily with their meaning.

2. Do the following work:

i) Write 30 Verbs (action words) and make sentences by using it.

ii) Write collective nouns for the following:

- |                       |                   |
|-----------------------|-------------------|
| • A ---- of birds.    | A --- of ships.   |
| • A ---- of grapes    | A ---- of lions   |
| • A ----- of cattle.  | A ----- of rice.  |
| • A ----- of wolves   | A ----- of bees.  |
| • A ---- of musicians | A ----- of cards. |
| •                     |                   |

iii) Choose the correct synonyms(similar words) of the given words.

- |                                    |                                    |
|------------------------------------|------------------------------------|
| 1. finish (end, last, start)       | 6. Small (little, big, less)       |
| 2. Fast (swift, slow, run)         | 7. Annoyed (angry, happy, sad)     |
| 3. Weep (shout, cry, sad)          | 8. Wide (narrow, short, broad)     |
| 4. Brave (scary, courageous, calm) | 9. Perfect (ideal, sure, good)     |
| 5. Happy (finish, cheerful, good)  | 10. Construct( Set, build, break ) |

3. Write an importance of Millets and write information on each millet, paste it's pictures etc.)-

Note:-Include pictures wherever required.

4. You are Krati of ST. Xavier's School, Noida. You have lost your watch in school premises. Draft a notice for the school notice board.

5. Make two flashcards for given words:

A) Ignoramus B) Mystery

6. ) Read the comprehension passage on G-20 as already shared in the group in the form of pdf and answer the questions.

**SUBJECT: - HINDI**

केन्द्रीय विद्यालय नगरोटा

ग्रीष्मकालीन अवकाश गृहकार्य (2023-24)

कक्षा – छठी विषय- हिंदी

प्रश्न 1 दिए गए दोनों विषयों पर 80 शब्दों में अनुच्छेद लिखिए।

- मेरा प्रिय खेल
- पर्यावरण प्रदूषण

प्रश्न 2 दिए गए विषयों पर संवाद लिखिए।

(क) दो पेड़ों के बीच संवाद लिखिए जिसमें वे अपना दुख एक दूसरे से कह रहे हों।

(ख) दुकानदार और ग्राहक के बीच संवाद लिखिए।

प्रश्न 3 प्राचार्य को तीन दिन के अवकाश के लिए पत्र लिखिए।

प्रश्न 4 संज्ञा की परिभाषा व उसके सभी प्रकार उदाहरण सहित लिखिए।

प्रश्न 5 विशेषण की परिभाषा व उसके सभी प्रकार उदाहरण सहित लिखिए।

प्रश्न 6 सर्वनाम की परिभाषा व उसके सभी प्रकार उदाहरण सहित लिखिए।

प्रश्न 7 किन्हीं पांच पक्षियों के बारे में जानकारी एकत्र करके लिखें व उनका चित्र भी बनाएं। पक्षियों को पिंजरे में बंद करने से पर्यावरण पर क्या प्रभाव पड़ता है | (इस परियोजना कार्य को रंगीन A4 साइज़ शीट पर बनाएं) |

प्रश्न 8 अपनी पसंद की कोई एक कविता लिखिए व उससे संबंधित चित्र भी बनाइये।

प्रश्न 9 वसंत की पुस्तक से पाठ-1 वह चिड़िया जो , पाठ-2 बचपन व बाल रामकथा से कराए गए सभी पाठों के प्रश्नोत्तर याद कीजिए।

नोट - सारा कार्य सुन्दर लिखाई में और वर्तनी की शुद्धता का ध्यान रखते हुए अपनी हिन्दी की कार्य पुस्तिका में ही करें | और प्रत्येक दिन दो पृष्ठ अपनी हिन्दी की पाठ्यपुस्तकों से पढ़कर उनमें से कम से कम 10-10 कठिन शब्द लिखें |

### **SUBJECT: - MATH**

1. Revise chapters done till now in the class.
2. Do the questions of chapter 1 and 2 on separate notebook.
3. Write all the definitions done in chapter 1 and 2 along with rules.
4. Learn tables from 1-20
5. Make learner's diary for chapter 1 & 2 on the homework notebook.
6. Be prepared for test after summer vacations.

**Activity** : Prepare a chart of Divisibility Rules ( Divisibility test for 2 to 11)

### **SUBJECT: - SCIENCE**

Name the major nutrient in our food and write 5 deficiency diseases caused by vitamins and minerals.

2. Paste 5-5 source of carbohydrates, fats, proteins and minerals.

3. Prepare diet chart to provide balanced diet to a twelve year old child .The diet chart should include food items which are not expensive and are available in your area.

4. Name 5 objects made of Wood, Plastic, Metal and Glass .

5. From a large collection of materials make a group of objects having different properties like transparency, solubility in water and other properties.

6. List all items known to you that float in water .Also check and see if they will float on an oil or kerosene.

7. Make learners diary on the first three chapters of the syllabus.

8. Revise Chapters

- Components of food
- Sorting materials into groups

9. Read and understand Chapter- Separation of substances.

Do all these work in project file having index and using A4 size sheets.

### **SUBJECT: - S.ST**

#### **History**

Q1. Who are archaeologists? what do they study?

Q2. Give at least five reasons why early people travelled from one part of the subcontinent to another?

Q3. Write the difference between manuscript and inscription?

Q4. Name the few sources of history.

#### **Geography**

Q1. What are Human- made satellites? Name some Indian satellites.

Q2. Write The three characteristic of sun.

Q3. what is the difference between a planet and a star.

Q4. Draw and Name the planets in our solar system.

Civics

- Q1. How were Sameer EK and Sameer Do different from each other?
- Q2. What do you understand by inequality?
- Q3. Write any five differences between Kerala and Ladakh.
- Q4. Write any five points about Pashmina shawl.

Subject Enrichment (activity)

1. locate the following on an our line map of India.  
Ladakh, Kerala, Ganga river
2. Write a note on DrBhimrao Ambedkar and also draw or paste his picture.

## Class-VII

**SUBJECT: - ENGLISH**

### I. Activity

Talk to six friends and complete the following questionnaire.

Name of student	Favourite cartoon shows on TV	Reason for liking it	Frequency of watching it	Learning from the show

### II. Write a creative story to go along with the picture.

\_\_\_\_\_ (title)

Written by: \_\_\_ (Your Name)

### III. (i) Write a paragraph on 'Importance of Millets'.



### (ii) Write a paragraph on any sport or sportsman from Tamil Nadu.

### IV. Multi Disciplinary Project (MDP) : Topic 'Save Water'

- a. Write a paragraph / poem on 'Save Water'.
- b. Write Slogans on 'Save Water'.

**NOTE:** Add pictures. Do it in file paper.

V. Read the comprehension passage on G-20 as already shared in the group in the form of pdf and answer the questions.

**SUBJECT: - HINDI**

केंद्रीय विद्यालय नगरोटा

प्रश्न 1 दिए गए दोनों विषयों पर 100 शब्दों में अनुच्छेद लिखिए।

1. व्यायाम का महत्व
2. मेरे जीवन का लक्ष्य

प्रश्न 2 दिए गए विषयों पर संवाद लिखिए।

- (क) बढ़ती हुई मंहगाई विषय पर दो मित्रों में संवाद लिखिए
- (ख) बुरी संगति से दूर रहने की शिक्षा देते हुए पिता और पुत्र में संवाद लिखिए।

प्रश्न 3 प्राचार्य को पत्र लिखकर शाला शुल्क (फीस) माफ करने का अनुरोध कीजिये।

प्रश्न 4 संज्ञा की परिभाषा व उसके सभी प्रकार उदाहरण सहित लिखिए।

प्रश्न 5 विशेषण की परिभाषा व उसके सभी प्रकार उदाहरण सहित लिखिए।

प्रश्न 6 किन्हीं पांच पक्षियों के बारे में जानकारी एकत्र करके लिखें व उनका चित्र भी बनाएं। पक्षियों को पिंजरे में बंद करने से पर्यावरण पर क्या प्रभाव पड़ता है | (इस परियोजना कार्य को रंगीन A4 साइज़ शीट पर बनाए) |

प्रश्न 7 सर्वनाम की परिभाषा व उसके सभी प्रकार उदाहरण सहित लिखिए।

प्रश्न 8 अपनी पसंद की कोई एक कविता लिखिए व उससे संबंधित चित्र भी बनाइये।

प्रश्न 9 वसंत की पुस्तक से पाठ -1 हम पंक्षी उन्मुक्त गगन के, पाठ-2 हिमालय की बेटियाँ पाठ-3 दीवानों की क्या हस्ती और भारत की खोज से पढ़ाए गए पाठों के प्रश्नोत्तर याद कीजिये।

नोट - सारा कार्य सुन्दर लिखाई में और वर्तनी की शुद्धता का ध्यान रखते हुए अपनी हिन्दी की कार्य पुस्तिका में ही करें | और प्रत्येक दिन दो पृष्ठ अपनी हिन्दी की पाठ्यपुस्तकों से पढ़कर उनमें से कम से कम 10-10 कठिन शब्द लिखें |

### **SUBJECT: - MATH**

1. Revise chapters done till now in the class.
2. Do the questions of chapter 1 and 2 on separate notebook.
3. Write all the properties done in chapter 1 along with rules.
4. Learn tables from 1-25.
5. Make learner's diary for chapter 1 & 2 on the homework notebook.
6. Be prepared for test after summer vacations.

**Activity : Write a paragraph ( not more than 100 words) on Great Mathematician "RAMANUJAN"**

### **SUBJECT: - SCIENCE**

1. How would you test the presence of starch in leaves?
2. Draw the cutouts of well labelled diagram of important pictures.
3. Distinguish between Parasite and Saprotroph.
4. Make notes of chapter –(In homework notebook)
  - Nutrition in Animals
  - Acids, Base and salts.
5. Find out what vitamins are and answer the following –
  - a- Why are vitamins necessary in the diet?
  - b- Which fruits or vegetables should be eaten regularly get vitamins?
6. What is symbiosis? Give one example.
7. What is Stomata? Write it's two functions.
8. Name the raw materials that are used for photosynthesis.

4. Describe different types of Nutrition.
5. Explain the following
  - i) Saprotrophs
  - ii) Parasites
6. Draw a neat and label diagram of human digestive system.
7. Define the following terms.
  - i) Ingestion ii) Digestion iii) Assimilation iv) Egestion
8. How is food ingested by Amoeba?
9. Briefly explain the process of digestion in ruminants.
10. What is the effect of saliva on starch?

#### LEARN CHAPTER

1. Nutrition in plants.
  2. Nutrition in animals
11. Read and understand Chapter-Heat.
12. Make learners' diary of the Chapters done in classroom.
- All work should be done in A4 size sheets in a project file.

### **SUBJECT: - S.ST**

#### **HISTORY**

- Write questions & answers on homework copy.
- (a) What is cartography?
- (b) Write the origin of the word rajput?
- (c) What are different periodisations of history?
- (d) In what ways has the meaning of the term "Hindustan" changed over the centuries?
- (e) How were the affairs of Jatis regulated?
- (f) What are the difficulties historians face in using manuscripts?
- (g) What does the term pan-regional empire mean?

**Activity:** Draw any two sketches on the sources of Medieval Indian History

#### **GEOGRAPHY**

- (a) Which are the major components of the environment?
- (b) What do you understand by the term "Ecosystem"?
- (c) Why do plants and animals depend on each other?
- (d) Distinguish between biotic and abiotic environments.
- (e) Describe lithosphere and hydrosphere.
- (f) Give an account of the atmosphere.

**Activity:** Imagine an ideal environment where you love to live? (draw the picture of your ideal environment)

#### **CIVICS**

- (a) What is the constitution?
- (b) Write a short note on D.R. Bhabha Ambedkar?
- (c) Write a short note on the civil rights movement?
- (d) What is article 15 of our constitution?
- (e) What do you understand by the term "all persons are equal before the law"?
- (f) Describe the two ways in which the government has tried to implement the equality.

**Activity:** Make a poster on "Equal Rights" in the A4 size paper.

**Map Pointing** - On India's Political map:- India's states, Union territories & their capital.

On India's physical map:- Brahmaputra river, Narmada river, Tapi river, Kaveri river, Krishna river, Ganga river, Sutlej river, Beas river, Ravi river, Chenab river.

#### **Project work**

Make a project on "Interior of the Earth"

**Daily activity:** Write 3 News headlines (International/ National/states) on daily basis and paste cuttings from newspapers on your Homework notebook)

# CLASS- VIII

## SUBJECT: - ENGLISH

- \*Instructions:- \*Complete the written work of the chapters taught till date. Also learn and revise.  
\*Do reading practice daily, underline important words and learn spellings.  
\*Learn the punctuation marks & their proper use.

1. Write two new words daily. Find out their meanings and write one sentence of each by your own.

### STORY WRITING

2. Complete the story by using the given outlines;

A farmer had five sons \_\_\_\_\_ were strong and \_\_\_\_\_ always quarreled \_\_\_\_\_ the farmer wanted \_\_\_\_\_ to stop quarrelling \_\_\_\_\_ wanted to live in peace \_\_\_\_\_ words of advice \_\_\_\_\_ not have much effect \_\_\_\_\_ called all his sons \_\_\_\_\_ bundle of sticks \_\_\_\_\_ break these sticks without separating \_\_\_\_\_. Each of the tried one by one \_\_\_\_\_ used their full strength \_\_\_\_\_ the old man separated the sticks They could break the sticks easily \_\_\_\_\_ farmer said \_\_\_\_\_ strong as long as it is tied up \_\_\_\_\_ will be weak if you are divided.

### MDP:-

3. Do the MDP project on "Agriculture "(Write an essay/poem/article/paragraph etc on agriculture ).You may also include -Importance of agriculture (with respect to importance of Millets, information on each millet, it's pictures etc.)-

Note:-Include pictures wherever required.

4. Do the following work:

- Read the comprehension passage on G-20 as already shared in the group in the form of pdf and answer the questions.
- Write any 50 synonyms and antonyms separately and learn it ( Fury-anger, Ability X disability)
- Write any 20 idioms or proverbs along with meanings and learn it(eg.Charity begins at home-One should start doing good things from oneself).
- Write any 20 contractions and their extended forms and learn it.(Isn't- is not )

## SUBJECT: - HINDI

### केंद्रीय वद्यालय नगरोटा

ग्रीष्मकालीन अवकाश गृहकार्य (2023-24)

प्रश्न 1 दिए गए दोनों विषयों पर 100 शब्दों में अनुच्छेद लिखिए।

- इंटरनेट का बढ़ता प्रयोग
- जीवन में खेलों का महत्त्व

प्रश्न 2 दिए गए विषयों पर संवाद लिखिए।

(क) वातावरण में बढ़ते प्रदूषण विषय पर दो मित्रों में संवाद लिखिए।

(ख) गुरु व शिष्य के बीच अनुशासन विषय पर संवाद लिखिए।

प्रश्न 3 प्राचार्य को पत्र लिखकर स्थानांतरण प्रमाणपत्र देने का अनुरोध कीजिये।

प्रश्न 4 संज्ञा की परिभाषा व उसके सभी प्रकार उदाहरण सहित लिखिए।

प्रश्न 5 विशेषण की परिभाषा व उसके सभी प्रकार उदाहरण सहित लिखिए।

प्रश्न 6 आप भविष्य में क्या बनना चाहते हैं? तथा आप अपना यह लक्ष्य कैसे प्राप्त करेंगे इस संबंध में विस्तार से लिखिए।(इस परियोजना कार्य को चित्रसहित रंगीन A4 साइज़ शीट पर बनाए) |

प्रश्न 7 सर्वनाम की परिभाषा व उसके सभी प्रकार उदाहरण सहित लिखिए।

प्रश्न 8 अपनी पसंद की कोई एक कविता लिखिए व उससे संबंधित चित्र भी बनाइये।

प्रश्न 9 वसंत की पुस्तक से पाठ 1 लाख की चूड़ियां व पाठ2 बस की यात्रा के प्रश्नोत्तर याद कीजिये।

नोट - माग कार्य मन्तर लिग्वाई में और वर्नी की शब्दना का ध्यान रखने द्वा भपनी

हिन्दी की कार्य पुस्तिका में ही करें | और प्रत्येक दिन दो पृष्ठ अपनी हिन्दी की पाठ्यपुस्तकों से पढ़कर उनमें से कम से कम 10-10 कठिन शब्द लिखें |

**SUBJECT: - MATH**

- Complete notebook
- Write down and learn squares for numbers 1-25 on a separate notebook.
- Make learner's diary for chapters 1,2 and 3(done in the class) on the home work notebook

Do these extra questions on the holidays home work notebook.

1.	Is $-0.4$ a rational number? Justify your answer  Consider the equation below.
2.	$\frac{5}{6} + \left(\frac{1}{8} + \frac{16}{5}\right) = A + \frac{1}{8}$
3.	$\frac{3}{7} + \frac{9}{11} + 2k = \frac{12}{11}$ ,find $k$ .
4.	Find $\frac{2}{5} \times \frac{-6}{7} - \frac{1}{14} - \frac{6}{7} \times \frac{3}{5}$ using properties of rational numbers.
5.	Evaluate $\frac{-2}{5} \times \frac{4}{7} \times \frac{15}{18} \times \frac{-14}{5}$
6.	Find any 5 rational numbers between $\frac{4}{9}$ and $\frac{5}{9}$
7.	Find any 5 rational numbers between $\frac{-5}{8}$ and $\frac{1}{5}$ .
8.	Write a linear equation in one variable and solve it.
9.	Consider the equation shown below: $5x - a = 14$ ; where $a$ is any number Given that $x = 4$ is a solution of the equation, what is the value of $a$ ?
10.	Solve : $2(x - 9) = -15$
11.	What is the solution of the linear equation $(4x - 5) - (2 + 3x) = (7x - 6)$ ?
12.	Solve the equation : $\frac{5u-3}{6} - \frac{3u+2}{3} = \frac{u}{6} - 3$
13.	CASE BASED QUESTION :1 At a retail shop , the cost of a pot Rs.60 more than the cost of a broomstick. The cost of broomstick is $x$ and the cost of pot is Rs.100. a) write a linear equation in $x$ , representing the above situation. b)Find the cost of the broom stick
14.	CASE BASED QUESTION :2 The present age of Ravi's mother is 3 times the present age of Ravi. After 5 years , their ages will add upto 74. a) Write a linear equation representing the first statement. b)Find the present ages of Ravi and his mother.
15.	CASE BASED QUESTION :3 Mrs. Ratna, the owner of a saree shop knows that there are 700 sarees in her shop . She needs to know how many cotton sarees; designer sarees and silk sarees are in the shop. She knows that the shop has four times as many cotton sarees as silk sarees and half as many designer sarees as cotton sarees. These are the only types of sarees in the shop. a)Represent the number of each type of saree using a single variable. b)Write a linear equation in one variable using the given details. c) How many of each type of saree are there in the shop?

Do an activity using paper cutting & pasting to verify that the 'sum of exterior angles of a triangle , rectangle and hexagon is  $360^{\circ}$ .'

### **SUBJECT: - SCIENCE**

1. Sow some seeds in the soil and arrange to water them by drip irrigation. Observe daily.
    - i. Do you think it can save water?
    - ii. Note the change in the seed.
  2. Collect different types of seeds and put them in small bags. Label them .
  3. Collect pictures of some other agricultural machines and paste them in a file .Write their names and uses.
  4. Make notes of –  
Crop Production and Management  
Microorganisms: Friends and foe
  5. Read and understand - Force and Pressure  
- Coal and Petroleum
  6. Write 10 lines on the usefulness of microorganisms in our lives
  6. Write a short paragraph on the harmful effects of microorganisms.
  7. Make learners diary of the chapters done in the classroom.
- All work should be done in A4 size sheets in Project file.

### **SUBJECT: - S.ST**

- (1) What do you mean by separation of power?
- (2) What is parliamentary form of government?
- (3) What is fundamental right?
- (4) What do you mean by archives?
- (5) What are differences between evergreen forest and deciduous forest?
- (6) Write a note on battle of Plassey and battle of Buxar.
- (7) What is subsidiary alliance?
- (8) What is doctrine of lapse?
- (9) How many types of resources are there?
- (10) Define the following:
  - a) Latitudes b) longitudes. C) Great Circle. D) Tropic of Cancer e) Tropic of Capricorn
  - F) GMT. G) IST. H) Map I) National Park. J) Wildlife sanctuaries

#### **PROJECT WORK**

- (1) Make a scrapbook on "Historical events of freedom movement of India from 1857 to 1947"
- (2) Make a project on Natural Vegetation in India :

Page 1 - School name, topic name, submitted to, submitted by

Page 2 - Acknowledgement

Page 3 - Index

Page 4 - Introduction

Page 5 - 23 - content related to topic ( Include pictures and maps wherever required)

Second last page - Conclusion

Last Page - Bibliography (sources)

- (3) Prepare learner's diary ( 4 chapters ).

#### **MAP WORK**

- 1) Prepare a political map of India showing states and union territories.
- 2) Locate the following on the map of India:
  - a) Major rivers of India- Indus , Ganga , Bhramputra, Narmada, Tapi, Godavari, Krishna, kaveri.
  - b) **Major mountain peaks:** K2, Nanda Devi, Anai mudi, mahendragiri, Eastern and western Ghats, kanchanjunga
  - c) Neighbouring countries of India and Arabian sea & Bay of Bengal

# CLASS – XI

## **SUBJECT: - ENGLISH**

I. Read the below given unseen passage and answer the questions that follows.

The choices we make on a daily basis—wearing a seatbelt, lifting heavy objects correctly or purposely staying out of any dangerous situation—can either ensure our safety or bring about potentially harmful circumstances.

You and I need to make a decision that we are going to get our lives in order. Exercising self-control, self-discipline and establishing boundaries and borders in our lives are some of the most important things we can do.

A life without discipline is one that's filled with carelessness.

We can think it's kind of exciting to live life on the edge. We like the image of "Yeah! That's me! Living on the edge! Woo-hoo!" It's become a popular way to look at life. But if you see, even highways have lines, which provide margins for our safety while we're driving. If we go over one side, we'll go into the ditch. If we cross over the line in the middle, we could get killed. And we like those lines because they help to keep us safe.

Sometimes we don't even realize how lines help to keep us safe.

I'm not proud of this, but for the first 20 years of my life at work, I ignored my limits. I felt horrible, physically, most of the time. I used to tell myself "I know I have limits and that I've reached them, but I'm going to ignore them and see if or how long I can get by with it." I ran to doctors, trying to make myself feel better through pills, vitamins, natural stuff and anything I could get my hands on. Some of the doctors would tell me, "It's just stress."

That just made me mad. I thought stress meant you don't like what you do or can't handle life, and I love what I do. But I kept pushing myself, traveling, doing speaking engagements and so on— simply exhausting myself.

Finally, I understood I was living an unsustainable life and needed to make some changes in my outlook and lifestyle.

You and I don't have to be like everyone else or keep up with anyone else. Each of us needs to be exactly the way we are, and we don't have to apologize for it. We're not all alike and we need to find a comfort zone in which we can enjoy our lives instead of making ourselves sick with an overload of stress and pressure

**On the basis of understanding of the passage, answer ANY TEN questions from the twelve that follow.**

**Q1)** Which of the characteristics are apt about the writer in the following context: "I know I have limits and that I've reached them, but I'm going to ignore them and see if or how long I can get by with it." ?

1. negligent    2. Indecisive    3. Spontaneous    4. Reckless    5. Purposeless    6. patient

a) 2 and 5

b) 3 and 6

c) 1 and 4

d) 2 and 3

**Q2)** The reason why living on the edge has become popular, is because of the

a) constant need for something different.

b) population being much younger.

c) exhausting effort to make changes.

d) strong tendency to stay within our limits.

**Q3)** The phrase "potentially harmful circumstances" refers to circumstances that can

(a) certainly be dangerous.    (b) be fairly dangerous.    (c) be possibly dangerous.    (d) seldom be dangerous.

**Q4).** Choose the option that correctly states the two meanings of 'outlook', as used in the passage.

1. A person's evaluation of life    2. A person's experiences in life    3. A person's point of view towards

life    4. A person's regrets in life

5. A person's general attitude to life

a) (1) and (4)

b) (2) and (3)

c) (3) and (5)

d) (4) and (5)

**Q5)** Choose the option that best captures the central idea of the passage from the given quotes.

1. It's all about quality of life and finding a happy balance between work and friends.

2. To go beyond is as wrong as to fall short.

3. Life is like riding a bicycle. To keep your balance you must keep moving.

4. Balance is not something you find, it's something you create.

a) Option (1)

b) Option (2)

c) Option (3)

d) Option (4)

**Q6)** The author explains the importance of discipline and boundaries in our lives using the example of

a) road accidents.

b) traffic rules.

c) lines on the highway.

d) safe driving.

**Q7)** The author attempts to \_\_\_\_\_ the readers through this write-up.

a) rebuke

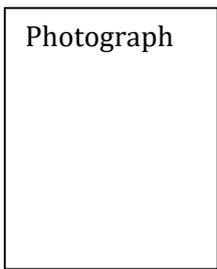
b) question

c) offer aid to

d) offer advice to



**My Profile**  
**SESSION 2023-24**



**Name:** .....

**Class & Sec:** .....

**Roll No:** .....

**Father's Name:** .....

**Mother's Name:** .....

**School:** .....

**Address:**.....

**Contact:** .....

**Blood Group:**.....

**MY STRENGTH**

.....  
.....

**I AM GOOD AT** .....

**MY HOBBIES** .....

**MY LIMITATIONS**

.....  
.....

**I WANT TO LEARN** .....

.....

**I WANT TO BE** .....

**What do I think about the subject English?**

.....  
.....  
.....  
.....

**What is your vision for the future?**

.....

.....  
.....

**SUBJECT: - HINDI**

**केंद्रीय वद्यालय नगरोटा**

ग्रीष्मकालीन अवकाश गृहकार्य (2023-24)

1. दिए गए दोनों वषयों पर 120 शब्दों में अनुच्छेद लखए।  
(1) भारत की सांस्कृतिक एकता  
(2) अभ्यास का महत्त्व
2. मुंशी प्रेमचंद या कबीर दास में से कसी एक लेखक/कव पर परियोजना कार्य( प्रोजेक्ट वर्क ) तैयार कीजिए  
।  
(निर्देश - प्रोजेक्ट वर्क ए-4 साइज पेपर या प्रैक्टिकल पेपर पर कर सकते हैं । )
3. दिए गए पोर्टफोलियो को निर्देशानुसार तैयार कीजिए ।
4. गर्मी की छुट्टी के दौरान आप अपने अनुभव को 'स्व-अनुभव' शीर्षक के अंतर्गत 200-250 शब्दों में लखए।
5. "लगन और मेहनत से सबकुछ संभव है"  
इस वषय पर अध्यापक और शष्य के बीच संवाद लखए।
6. अपने क्षेत्र की गंदगी की ओर ध्यान आकर्षत कराते हुए स्वास्थ्य अधिकारी को एक पत्र लखए।
7. अपने क्षेत्र में कानून और व्यवस्था की बिगड़ती स्थिति पर कसी दैनिक पत्र के संपादक को पत्र लखए।
8. 20 उपसर्ग व 20 प्रत्यय शब्द लखकर प्रत्येक से 4-4 शब्द बनाइए ।

नोट- सारा कार्य सुन्दर लखाई में और वर्तनी की शुद्धता का ध्यान रखते हुए अपनी हिन्दी की कार्य पुस्तिका में ही करें । और प्रत्येक दिन दो पृष्ठ अपनी हिन्दी की पाठ्यपुस्तकों से पढ़कर उनमें से कम से कम 10-10 कठिन शब्द लखें ।

**SUBJECT: - MATH**

**Instructions:**

- Do your work neatly
- Complete your notebook.
- Prepare for test after vacation (1<sup>st</sup> and 2<sup>nd</sup> chapter). SOLVE QUESTION IN SEPARATE NOTEBOOK

1. Find the values of a and b in each of the following

(i)  $\frac{5+2\sqrt{3}}{7+4\sqrt{3}} = a-6\sqrt{3}$

ii)  $\frac{\sqrt{2+\sqrt{3}}}{\sqrt{2-2\sqrt{3}}} = 2-b\sqrt{6}$

iii)  $\frac{3+\sqrt{7}}{3-\sqrt{7}} = a+b\sqrt{7}$

iv)  $\frac{5+\sqrt{3}}{7-4\sqrt{3}} = 47a + b\sqrt{3}$

v)  $\frac{2+\sqrt{3}}{2-\sqrt{3}} = a + b\sqrt{3}$

2.

Find the value of  $\frac{4}{(216)^{\frac{-2}{3}}} + \frac{1}{(256)^{\frac{-3}{4}}} + \frac{2}{(243)^{\frac{-1}{5}}}$

3.

Evaluate: (i)  $\left(\frac{256}{6561}\right)^{\frac{3}{8}}$  (ii)  $(15625)^{\frac{1}{6}}$  (iii)  $\left(\frac{343}{1331}\right)^{\frac{1}{3}}$  (iv)  $\sqrt[8]{\frac{6561}{65536}}$

4. Express the following in p/q form: (i)  $\overline{1.245}$  (ii)  $\overline{2.35}$  (iii)  $\overline{3.245}$

5. Find two rational and irrational numbers between  $\sqrt{2}$  and  $\sqrt{3}$ .

6. Find two rational and irrational numbers between  $\frac{2}{5}$  and  $\frac{3}{5}$

7.

Evaluate: (i)  $\left(\frac{625}{81}\right)^{\frac{1}{4}}$  (ii)  $(6.25)^{\frac{3}{2}}$  (iii)  $(0.000064)^{\frac{5}{6}}$  (iv)  $(17^2 - 8^2)^{\frac{1}{2}}$

8.

If  $25^{x-1} = 5^{2x-1} - 100$ , then find the value of x.

9.  $x - x^2$  is a \_\_\_\_\_ polynomial.

a) Linear      b) Quadratic      c) Cubic      d) None of the above

10. The coefficient of  $y^2$  in given expression is  $5y^3 - 2y^2 - 7y + 1$

a) 2      b) -2      c) 5      d) 7

11. The value of  $p(t) = 2+t+2t^2-t^3$  when  $t=0$  is

a) 2      b) 1      c) 4      d) 0

12. The zero of the polynomial  $f(x) = 2x+7$  is

a)  $2/7$       b)  $-2/7$       c)  $7/2$       d)  $-7/2$

13. If  $x + 1$  is a factor of the polynomial  $2x^2 + kx$ , then the value of k is:

a) -3      b) 4      c) 2      d) -2

14. Find the value of  $\sqrt[3]{216} - \sqrt[3]{125}$

a) 1      b) -1      c)  $\sqrt[3]{91}$       d) 65

15. The decimal expansion of Rational number is

c) non-terminating non-recurring

d) Both a & b

16.  $\sqrt{9}$  is \_\_\_\_\_ number.

a) A rational

b. An irrational

c) Neither rational nor irrational

d) None of the above

17.  $\sqrt{6} \times \sqrt{27}$  is equal to:

a)  $9\sqrt{2}$

b)  $3\sqrt{3}$

c)  $2\sqrt{2}$

d)  $9\sqrt{3}$

18. The number  $(3-\sqrt{3})(3+\sqrt{3})$  is

a) an irrational number

b) a rational number

c) not a natural number

d) none of these

19.

**Assertion :** The rationalizing factor of  $3 + 2\sqrt{5}$  is  $3 - 2\sqrt{5}$ .

**Reason :** If the product of two irrational numbers is rational then each one is called the rationalising factor of the other.

(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.

20.

**Assertion :**  $11^3 \times 11^4 = 11^{12}$

**Reason :** If  $a > 0$  be a real number and  $p$  and  $q$  be rational numbers.

$$\text{Then } a^p \times a^q = a^{p+q}.$$

(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.

21.

**Assertion :**  $2 + \sqrt{3}$  is an irrational number.

**Reason :** Sum of a rational number and an irrational numbers is always an irrational number.

(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.

22.

Draw  $\sqrt{5}$  and  $\sqrt{3}$  on number line.

2. Make notes of chapter – Fundamental unit of life
  - Is matter around us Pure
  - Motion
3. Practice and Solve extra questions of the above Chapters.
4. Draw a well labelled diagram-
  - Animal cell and Plant cell
  - Mitochondria
  - Golgi body
  - Nucleus
5. Make cutouts of diagrams required in each lesson.
6. Make a portfolio. (Topic is given in syllabus).

**SUBJECT: - S.ST**

**Q1. Complete your fair notebooks.**

**Q2 Write in fair notebook and learn the following questions-**

- (a) What do you mean by tithe and tailie tax?
- (b) Describe the legacy of the French Revolution for the peoples of the world during the nineteenth and the twentieth centuries.
- (c) What Led to the formation of a Jacobin club? Who was its member?
- (d) What is importance of standard meridian of India?
- (e) Why Indian Ocean named after country India? Give reasons.
- (f) India occupies an important strategic position in South Asia. Discuss.
- (g) Why is democracy considered as one of the best forms of Government?
- (h)
- (i) Give 4 essentials features of a democratic government .Give 2 examples of democracies.
- (j) What does Referendum means?

**Q3 Map skills**

(a) On the outline map of France, locate the following cities

1. Bordeaux
2. Normandy
3. Nantes

(b) Locate and label the following items on the map

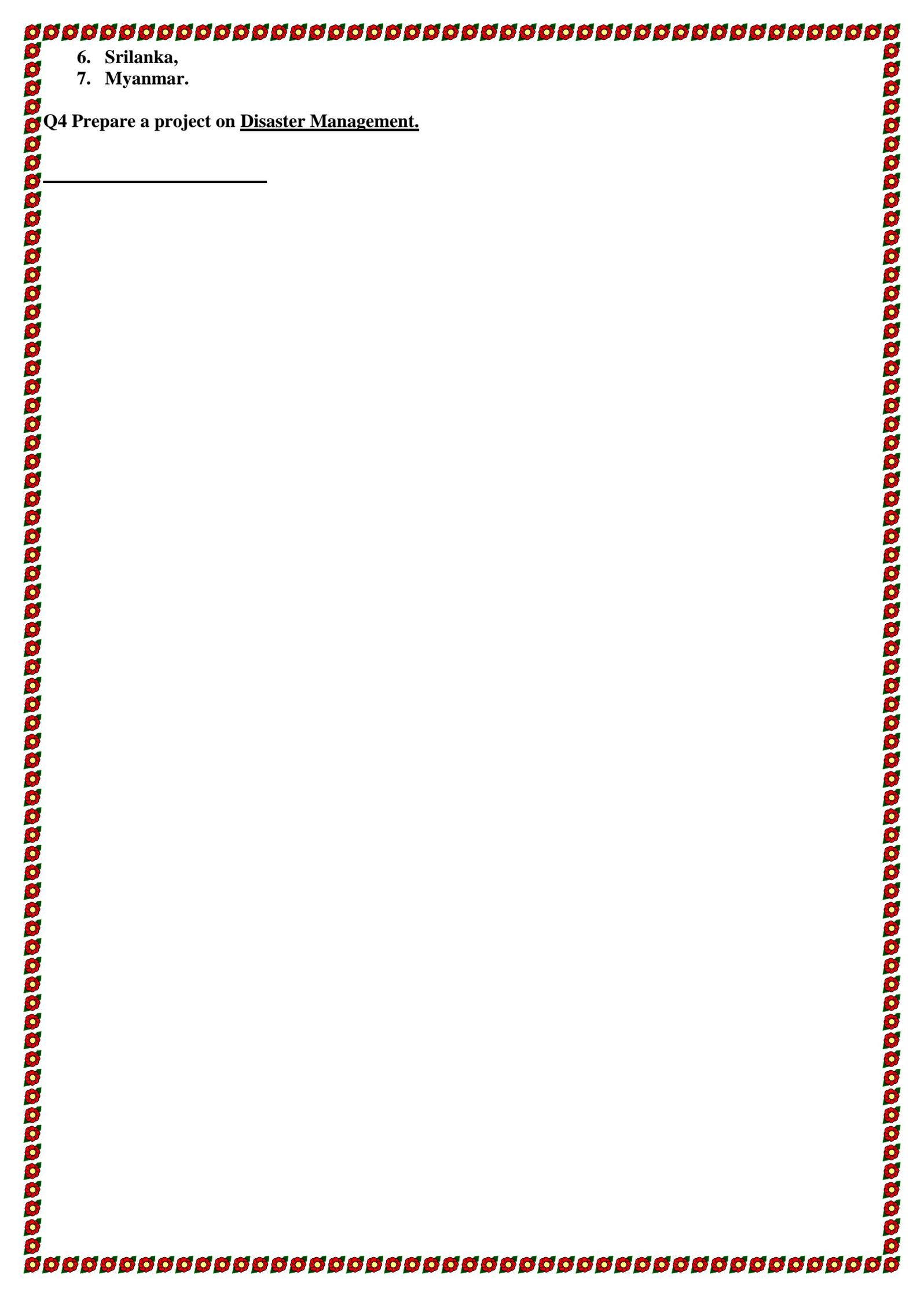
- 1 Capital of Uttarakhand
- 2 Capital of Assam
- 3 Capital of Madhya Pradesh
- 4 Capital of Tamil Nadu
- 5 Capital of India
- 6 Capital of Karnataka
- 7 Capital of Rajasthan
- 8 Capital of Gujarat
- 9 capital of Goa

(c) Locate and label the following items on the map

1. Northernmost latitude of India
2. Tropic of Cancer
3. Southernmost point of India
4. Easternmost longitude
5. Pamir Knot
6. Western Ghats

(d) Mark the the Countries constituting Indian Subcontinent – –

1. Pakistan,
2. India,
3. Bangladesh,
4. Nepal ,
5. Bhutan

- 
6. Srilanka,
  7. Myanmar.

Q4 Prepare a project on Disaster Management.

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# CLASS – X

## **SUBJECT: - ENGLISH**

I. Read the below given English unseen passage and answer the questions that follows.

The choices we make on a daily basis—wearing a seatbelt, lifting heavy objects correctly or purposely staying out of any dangerous situation—can either ensure our safety or bring about potentially harmful circumstances.

You and I need to make a decision that we are going to get our lives in order. Exercising self-control, self-discipline and establishing boundaries and borders in our lives are some of the most important things we can do.

A life without discipline is one that's filled with carelessness.

We can think it's kind of exciting to live life on the edge. We like the image of "Yeah! That's me! Living on the edge! Woo-hoo!" It's become a popular way to look at life. But if you see, even highways have lines, which provide margins for our safety while we're driving. If we go over one side, we'll go into the ditch. If we cross over the line in the middle, we could get killed. And we like those lines because they help to keep us safe.

Sometimes we don't even realize how lines help to keep us safe.

I'm not proud of this, but for the first 20 years of my life at work, I ignored my limits. I felt horrible, physically, most of the time. I used to tell myself "I know I have limits and that I've reached them, but I'm going to ignore them and see if or how long I can get by with it." I ran to doctors, trying to make myself feel better through pills, vitamins, natural stuff and anything I could get my hands on. Some of the doctors would tell me, "It's just stress."

That just made me mad. I thought stress meant you don't like what you do or can't handle life, and I love what I do. But I kept pushing myself, traveling, doing speaking engagements and so on— simply exhausting myself.

Finally, I understood I was living an unsustainable life and needed to make some changes in my outlook and lifestyle.

You and I don't have to be like everyone else or keep up with anyone else. Each of us needs to be exactly the way we are, and we don't have to apologize for it. We're not all alike and we need to find a comfort zone in which we can enjoy our lives instead of making ourselves sick with an overload of stress and pressure

**On the basis of understanding of the passage, answer ANY TEN questions from the twelve that follow.**

**Q1)** Which of the characteristics are apt about the writer in the following context: "I know I have limits and that I've reached them, but I'm going to ignore them and see if or how long I can get by with it." ?

1. negligent    2. Indecisive    3. Spontaneous    4. Reckless    5. Purposeless    6. patient

a) 2 and 5

b) 3 and 6

c) 1 and 4

d) 2 and 3

**Q2)** The reason why living on the edge has become popular, is because of the

a) constant need for something different.

b) population being much younger.

c) exhausting effort to make changes.

d) strong tendency to stay within our limits.

**Q3)** The phrase "potentially harmful circumstances" refers to circumstances that can

(a) certainly be dangerous.    (b) be fairly dangerous.    (c) be possibly dangerous.    (d) seldom be dangerous.

**Q4).** Choose the option that correctly states the two meanings of 'outlook', as used in the passage.

1. A person's evaluation of life    2. A person's experiences in life    3. A person's point of view towards life    4. A person's regrets in life    5. A person's general attitude to life

a) (1) and (4)

b) (2) and (3)

c) (3) and (5)

d) (4) and (5)

**Q5)** Choose the option that best captures the central idea of the passage from the given quotes.

1. It's all about quality of life and finding a happy balance between work and friends.

2. To go beyond is as wrong as to fall short.

3. Life is like riding a bicycle. To keep your balance you must keep moving.

4. Balance is not something you find, it's something you create.

a) Option (1)

b) Option (2)

c) Option (3)

d) Option (4)

**Q6)** The author explains the importance of discipline and boundaries in our lives using the example of

a) road accidents.

b) traffic rules.

c) lines on the highway.

d) safe driving.

**Q7)** The author attempts to \_\_\_\_\_ the readers through this write-up.

a) rebuke

b) question

c) offer aid to

d) offer advice to



photograph

Name: .....

Class & Sec: .....

Roll No: .....

Father's Name: .....

Mother's Name: .....

School: .....

Address:.....

Contact: .....

Blood Group:.....

MY STRENGTH .....

I AM GOOD AT .....

MY HOBBIES .....

MY LIMITATIONS .....

I WANT TO LEARN .....

I WANT TO BE .....

What do I think about the subject English?

.....  
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What is your vision for the future?

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**SUBJECT: - HINDI**

**केंद्रीय वद्यालय नगरोटा**

ग्रीष्मकालीन अवकाश गृहकार्य (2023-24)

- सूरदास या स्वयं प्रकाश में से कसी एक लेखक/कव पर परियोजना कार्य( प्रोजेक्ट वर्क )तैयार कीजिए।  
(निर्देश - प्रोजेक्ट वर्क ए-4 साइज पेपर या प्रैक्टिकल पेपर पर कर सकते हैं। )
2. दिए गए पोर्टफोलियो को निर्देशानुसार तैयार कीजिए।
  3. गर्मी की छुट्टी के दौरान आप अपने अनुभव को 'स्व-अनुभव' शीर्षक के अंतर्गत 200-250 शब्दों में लखए।
  4. वाक्य की परिभाषा एवं उसके भेद तथा सभी के दस-दस उदाहरण लखए।
  - 5.. औपचारिक व अनौपचारिक पत्रों का परिचय देते हुए दोनों के 2-2 पत्र लखए।
  6. अपने क्षेत्र की गंदगी की ओर ध्यान आकर्षित कराते हुए स्वास्थ्य अधिकारी को एक पत्र लखए।
  - 7.अपने क्षेत्र में कानून और व्यवस्था की बिगड़ती स्थिति पर कसी दैनिक पत्र के संपादक को पत्र लखए।
  8. दिए गए वषयों पर 120 शब्दों में अनुच्छेद लखए-
1. इंटरनेट का बढ़ता उपयोग
  2. अनेकता में एकता के प्रतीक भारतीय पर्व और त्योहार।
  - 9.. दिए गए वषयों पर 60 शब्दों में संदेश लखए।

(क) परीक्षा में प्रथम आने वाले मत्र को शुभकामना संदेश लखए।

(ख) स्वतंत्रता दिवस पर राष्ट्र के नाम प्रधानमंत्री की तरफ से संदेश लखए।

नोट- सारा कार्य सुन्दर लखाई में और वर्तनी की शुद्धता का ध्यान रखते हुए अपनी हिन्दी की कार्य पुस्तिका में ही करें | और प्रत्येक दिन दो पृष्ठ अपनी हिन्दी की पाठ्यपुस्तकों से पढ़कर उनमें से कम से कम 10-10 कठिन शब्द लखें |

**SUBJECT: - MATH**

1. Complete your notebook.
2. Make a project / model on "MATHEMATICS AROUND US".
3. Do 15-15 questions from each chapter (1-3) from previous year question bank.
4. Prepare for test after vacation (1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> chapter).
5. Complete your practical file.

**SUBJECT: - SCIENCE**

1. Make notes of chapter –Life process  
- Light  
- Acids,bases and salts.
2. Draw a well-labelled diagram of-  
Human digestive system, Human Respiratory system, A human heart and Excretory system.
3. Make a cut outs of diagram of required chapters.
4. Make a portfolio on given topic( topic is given in syllabus).
5. Learn all the topic and exercises taught in class.
6. Solve and practice extra questions of the above chapters

**SUBJECT: - S.ST**

1. Complete your fair notebooks.
2. Write in fair notebook and learn –
  - (i) 20 questions (1 mark) from H.1. The Rise of Nationalism in Europe
  - (ii) 20 questions (1 mark) from C.1. Power Sharing
  - (iii) 20 questions (1 mark) from G.1. Resources and Development
  - (iv) 10 questions (1 mark) from E.1. Development
3. Map skills – state and capital of India  
Soils of India  
Major dams of India

Copy of attached list of map 10 times

4. Prepare a project on Consumer Rights

Or

Any social issue

Or

sustainable Development

Page 1 - School name, topic name, submitted to, submitted by

Page 2 - Acknowledgement

Page 3 - Index

Page 4 - Introduction

Page 5 - 23 - content related to topic

Second last page - Conclusion

Last Page - Bibliography (sources)

5. Make notes of these chapters in your holiday homework notebook: -

A) Nationalism in India

B) Agriculture

## **CLASS – XII**

**SUBJECT: - ENGLISH**

### **CLASS –XII (ENGLISH CORE)**

Dear Students

This summer break, delve deeper into the nuances of the literary world. Your Holiday Homework Consists of 4 different sections based on reading and comprehending the text, writing a movie review, strengthening your knowledge about various concepts along with your vocabulary and practising case-based reading comprehension passages. Test your understanding by attempting the following in a separate English register.

#### **SECTION A| READING AND COMPREHENDING THE TEXT**

Read the chapters:

1. 'The Third Level' (Vistas)
2. 'Deep Water' (Flamingo)
3. A THING OF BEAUTY(POEM)
4. RATTRAP

• Identify the theme , characters and literally devices of the chapters, and write it in your own words (Word Limit: 100 words).

#### **SECTION B| BINGE WATCH**

• Watch any (or all!) of the following movies and pen down a review concentrating on the plot, Historical/political Dead Poets Society, 1989 ,creative elements, characterization and theme in not more than 200 words.

1. Schindler's List, 1993
2. Dead Poets Society, 1989
3. Gandhi, 1982
4. Cast Away, 2000

#### **SECTION C| EXPLORE**

• **Explore the following concepts and write a brief note in your own words. Note that all these concepts will be helpful in understanding the chapters/poems.**

1. Dramatic Irony
2. Socialism
3. Romanticism
4. Feminism
5. Racism
6. Satire
7. Casteism
8. Patriarchy
9. Alliteration
10. Personification
11. Metaphor
12. Simile
13. Onaphora
14. Hyperbole
15. Rhymes Scheme

- Words not only reflect the history of a country, but also the many and diverse cultural and linguistic Influences which have shaped and changed the English language in India. Figure out 10 Indian words that have been recently added to the Oxford English Dictionary (OED). Write the meaning in English alongside.

### **SECTION D| PRACTISE**

- Practise the Reading Comprehension Passage shared in your class and solve it in your register.
- Revise the syllabus of Periodic Test -1

### **SUBJECT: - HINDI**

केन्द्रीय विद्यालय नगरोटा

ग्रीष्मकालीन अवकाश गृहकार्य - 2023-24

कक्षा - बारहवीं(हिंदी-कोर)

1. 'परीक्षा-तनाव के कारण व बचने के उपाय' या 'डिजिटल युग और मैं' में से किसी एक विषय पर रचनात्मक लेख लिखिए।(शब्द सीमा 120 शब्द)
2. पाठ्यक्रम की कोई भी एक कविता याद करके तथा उसकी वीडियो बनाकर मुझे व्यक्तिगत प्रेषित करें।(केवल डेढ़ minute से पाँच मिनट तक) (वाचन-कौशल अभ्यास)
3. भक्तिन पाठ का नाट्य-रूपांतरण करें।(शब्द सीमा 100 शब्द)
4. निम्नलिखित में से कोई दो फिल्में देखिए और उनसे मिलनेवाली पाँच प्रमुख शिक्षाएँ लिखिए :—

i :- <https://youtu.be/gZy4vIGf7माय>

I am kalam

ii :- <https://youtu.be/CPXkijYI9Y0>

Chalk n duster

iii :- <https://youtu.be/a1G1Sg3-g2जी>

Taare zameen par

iv :- <https://youtu.be/l3Sgdk88gH4>

Baghban

v :- <https://youtu.be/epKzi21TRN8>

7. पाठ्य-पुस्तक में विद्यमान आरोह (काव्य खंड) पाठ-7(सात) कवि पर परियोजना तैयार करें। (कवि तुलसीदास का परिचय (चित्र सहित), रचनाओं के नाम, पाठ के वस्तुनिष्ठ प्रश्न और शब्द अर्थ) (कम-कम पच्चीस पृष्ठों में यह कार्य करें।)
8. अभी तक जो भी पढ़ाया गया है, उसको कम-से कम पाँच बार दोहराएँ। आते ही उसी से प्रश्न पूछे जाएंगे।

आप सभी स्वस्थ रहें, मस्त रहें, खुश रहें, सीखते रहें, पेरेंट्स की सहायता करते रहें।

बहुत-बहुत आशीर्वाद बेटा ।

### **SUBJECT: - MATH**

1. Solve questions of Chapter Relations and Functions and Matrices on separate notebook.
2. Solve questions from NCERT Exemplar of chapter 1, 2 and 3.
3. Solve worksheet shared on whatsapp on copy.

### **SUBJECT: - PHYSICS**

Q 1 Write fifty M C Q Questions from first three Chapters  
down all the formula for different Physical quantities from first three Chapters  
Topics of first three Chapters

Q 2 Write  
Q 3 Revise All the

### **SUBJECT: - CHEMISTRY**

#### **CHAPTER- SOLUTIONS**

Q.1 Define The terms: (a) Molarity (b) Molality (c) Colligative Properties (d) Azeotropic Mixtures (e) vant Hoff

Q.2 Differentiate between (i) Ideal and Non Ideal solutions (ii) Maximum and Minimum boiling Azeotrope (iii) Osmosis and Diffusion.

Q.3 State (a) Raoult's Law for solution containing volatile and nonvolatile solute (b) Henry's Law

Q.4 Solve NCERT textbook Intext questions, examples and exercise questions of the chapter Solutions.

Q.5 Solve NCERT Exemplar problems of the chapter Solutions.

Q.6 Account for the following:

- a) Helium is mixed in the gas cylinders of Scuba divers.
- b) Which is a better term for expressing concentration Molarity or Molality and why?
- c) Aquatic species feel comfortable during winter.
- d) Vapour pressure of a liquid decreases when a non-volatile solute is added to it.
- e) Out of 1M Urea and 1M KCl, 1M Urea has higher freezing point.
- f) When 2g of benzoic acid is dissolved in 25g of benzene, the experimentally determined molar mass is always greater than the true value.
- g) Mixture of ethanol and acetone shows positive deviation from Raoult's Law.
- h) The preservation of fruits by adding concentrated sugar solution protects against bacterial infection.
- i) Salt is sprinkled for clearing snow covered roads.
- j) Vapour pressure of a liquid decreases when a non volatile solute is added to it.

Q.7 What will happen

(i) when RBCs are placed in (a) 1% NaCl solution (b) 0.6% NaCl solution.

(ii) to the boiling point of solution on mixing two miscible liquids showing negative deviation from Raoult's law.

(iii) when a pressure higher than osmotic pressure is applied on solution side. Q.8 How is Henry's law constant related to solubility of gas in a solvent?

Q.9 Out of 1M glucose and 2M glucose, which one has a higher boiling point and why?

Q.10 Give reasons for the following:

(a) When 2g of benzoic acid is dissolved in 25g of benzene, experimentally determined molar mass is always greater than the true value.

(b) Mixture of ethanol and acetone shows positive deviation from Raoult's Law.

(c) the preservation of fruits by adding concentrated sugar solution protects against bacterial action.

## CHAPTER- ELECTROCHEMISTRY

Q.1 State Faraday's Laws of electrolysis.

Q.2 Differentiate between (i) Electrolytic Cell and Galvanic cell (ii) EMF and Potential difference (iii) Electronic and ionic conduction.

Q.3 Solve NCERT textbook Intext questions, examples and exercise questions of the chapter Electrochemistry.

Q.4 Solve NCERT Exemplar problems of the chapter Electrochemistry.

Q.5 State Kohlrausch's law and write its applications.

Q.6 write Electrochemical series or emf series.

Q.7 Define the terms- (a) Electrode Potential (b) Oxidation (c) Reduction

Q.8 Calculate the time to deposit 1.5g silver at cathode when a current of 1.5 A is passed through the solution of  $\text{AgNO}_3$ .

\* To solve questions of the chapter Solution and Electrochemistry given in sample paper 2023 as released by CBSE for 2024.

\* Complete your practical record.

\* make investigatory project for final examination as per your reach available resources.

\* Solve at least 10 questions from the chapters mentioned above which have been asked in JEE or NEET exam in the previous years.

## SUBJECT: - BIOLOGY

1. Visit your nearest biodiversity conservation area. Observe and make a report on it.
2. Prepare a chart on a particular assigned topic from chapter 1 and 2.
3. Prepare a 3-D model of your own interest from the syllabus.
4. Model questions from chapter 1,3 and 4:
  - a. Describe commonly used contraceptives methods.
  - b. Describe the stages of spermatogenesis in humans.
  - c. Process of parturition in humans.
  - d. Labelled diagram of "Graafian follicle".
  - e. T.S of Human Ovary.
  - f. A couple where both husband and wife are producing functional gametes, but the wife is still unable to conceive is seeking medical aid. Describe any method that you can suggest to this couple to become happy parents. Explain it.
  - g. Differentiate between: "Dicotyledonous embryo and Monocotyledonous embryo".
  - h. Adaptions in flowers for pollination.

## SUBJECT-ACCOUNTANCY

### Chapter 1

1	Tripathi and Chauhan are partners in a firm sharing profits and losses in the ratio of 3:2. Their capitals were Rs.60,000 and Rs.40,000 as on April 01, 2019. During the year they earned a profit of Rs. 30,000. According to the partnership deed both the partners are entitled to Rs. 1,000 per month as salary and 5% p.a. interest on their capital. They are also to be charged an interest of 5% p.a. on their drawings, irrespective of the period, which is Rs. 12,000 for Tripathi, Rs. 8,000 for Chauhan. Prepare Partner's capital/current accounts when, capitals are fixed.
2	Rakhi and Shikha are partners in a firm, with capitals of Rs. 2,00,000 and Rs. 3,00,000 respectively. The profit of the firm, for the year ended 2016-17 is Rs. 23,200. As per the Partnership agreement, they share the profit in their capital ratio, after allowing a salary of Rs. 5,000 per month to Shikha and interest on Partner's capital at the rate of 10% p.a. During the year Rakhi withdrew Rs. 7,000 and Shikha Rs. 10,000 for their personal use. As per partnership deed, salary and interest on capital appropriation treated as charge on profit. You are required to prepare Profit and Loss Appropriation Account and Partner's Capital Accounts.
3	Amann, Babita and Suresh are partners in a firm. Their profit sharing ratio is 2:2:1. Suresh is guaranteed an amount of Rs. 10,000 as share of profit, every year. Any deficiency on that account shall be met by Babita. The profits for two years ending March 31, 2019 and March 31, 2017 were Rs. 40,000 and Rs. 60,000, respectively. Prepare the Profit and Loss Appropriation Account for the two years.
4	. Ramesh and Suresh were partners in a firm sharing profits in the ratio of their capitals contributed on commencement of business which were Rs. 80,000 and Rs. 60,000 respectively. The firm started business on April 1, 2016. According to the partnership agreement, interest on capital and drawings are 12% and 10% p.a., respectively. Ramesh and Suresh are to get a monthly salary of Rs. 2,000 and Rs. 3,000, respectively. The profits for year ended March 31, 2017 before making above appropriations was Rs. 1,00,300. The drawings of Ramesh and Suresh were Rs. 40,000 and Rs. 50,000, respectively. Interest on drawings amounted to Rs. 2,000 for Ramesh and Rs. 2,500 for Suresh. Prepare Profit and Loss Appropriation Account and partners' capital accounts, assuming that their capitals are fluctuating.
5	. Sunflower and Pink Rose started partnership business on April 01, 2019 with capitals of Rs. 2,50,000 and Rs.1,50,000, respectively. On October 01, 2016, they decided that their capitals should be Rs. 2,00,000 each. The necessary adjustments in the capitals are made by introducing or withdrawing cash. Interest on capital is to be allowed @ 10% p.a. Calculate interest on capital as on March 31, 2020
6	. The capital accounts of Moli and Golu showed balances of Rs.40,000 and Rs. 20,000 as on April 01, 2019. They shared profits in the ratio of 3:2. They allowed interest on capital @ 10% p.a. and interest on drawings, @ 12 p.a. Golu advanced a loan of Rs. 10,000 to the firm on August 01, 2019. During the year. Moli withdrew Rs. 1,000 per month at the

	beginning of every month whereas Golu withdrew Rs. 1,000 per month at the end of every month. Profit for the year, before the above mentioned adjustments was Rs.20,950. Calculate interest on drawings show distribution of profits and prepare partner's capital accounts.
7	Menon and Thomas are partners in a firm. They share profits equally. Their monthly drawings are Rs. 2,000 each. Interest on drawings is to be charged @ 10% p.a. Calculate interest on Menon's drawings for the year 2006, assuming that money is withdrawn: (i) in the beginning of every month, (ii) in the middle of every month, and (iii) at the end of every month..
8	Harish is a partner in a firm. He withdrew the following amounts during the year 2019 : Rs. May 2019 4,000 August 2019 12,000 September 2019 4,000 December 2019 12,000 March 2020 4,000 Interest on drawings is to be charged @ 7 1/2 % p.a. Calculate the amount of interest to be charged on Harish's drawings for the year ending December 31, 2020.
9	Abhay, Siddharth and Kusum are partners in a firm, sharing profits in the ratio of 5:3:2. Kusum is guaranteed Rs. 10,000 as her share in the profits. Any deficiency arising on that account shall be met by Siddharth. Profits for the years ending March 31, 2016 and 2017 are Rs. 40,000 and 60,000 respectively. Prepare Profit and Loss Appropriation Account.
10	Radha, Mary and Fatima are partners sharing profits in the ratio of 5:4:1. Fatima is given a guarantee that her share of profit, in any year will not be less than Rs. 5,000. The profits for the year ending March 31, 2020 amounted to Rs. 35,000. Shortfall if any, in the profits guaranteed to Fatima is to be borne by Radha and Mary in the ratio of 3:2. Record necessary journal entry to show distributioin of profit among the partner.
11	Amit, Babita and Sona form a partnership firm, sharing profits in the ratio of 3 : 2 : 1, subject to the following : (i) Sona's share in the profits, guaranteed to be not less than Rs. 15,000 in any year. (ii) Babita gave guarantee to the effect that gross fee earned by her for the firm shall be equal to her average gross fee of the proceeding five years, when she was carrying on profession alone (which is Rs. 25,000). The net profit for the year ended March 31, 2017 is Rs. 75,000. The gross fee earned by Babita for the firm was Rs. 16,000. You are required to prepare Profit and Loss Appropriation Account
12	. The net profit of X, Y and Z for the year ended March 31, 2020 was Rs. 60,000 and the same was distributed among them in their agreed ratio of 3 : 1 : 1. It was subsequently discovered that the under mentioned transactions were not recorded in the books : (i) Interest on Capital @ 5% p.a. (ii) Interest on drawings amounting to X Rs. 700, Y Rs. 500 and Z Rs. 300. (iii) Partner's Salary : X Rs. 1000, Y Rs. 1500 p.a. The capital accounts of partners were fixed as : X Rs. 1,00,000, Y Rs. 80,000 and Z Rs. 60,000. Record the adjustment entry.
13	On March 31, 2017 the balance in the capital accounts of Eluin, Monu and Ahmed, after making adjustments for profits, drawing, etc; were Rs. 80,000, Rs. 60,000 and Rs. 40,000 respectively. Subsequently, it was discovered that interest on capital and interest on drawings had been omitted. The partners were entitled to interest on capital @ 5% p.a. The drawings during the year were Eluin Rs. 20,000; Monu, Rs. 15,000 and Ahmed, Rs. 9,000. Interest on drawings chargeable to partners were Eluin Rs, 500, Monu Rs. 360 and Ahmed Rs. 200. The net profit during the year amounted to Rs. 1,20,000. The profit sharing ratio was 3 : 2 : 1. Record necessary adjustment entry.
14	. Mohan, Vijay and Anil are partners, the balances in their capital accounts being Rs. 30,000, Rs. 25,000 and Rs. 20,000 respectively. In arriving at these figures, the profits for the year ended March 31, 2017 amounting to Rupees 24,000 had been credited to partners in the proportion in which they shared profits. During the year the drawings of Mohan, Vijay and Anil were Rs. 5,000, Rs. 4,000 and Rs. 3,000, respectively. Subsequently, the following omissions were noticed: (a) Interest on Capital, at the rate of 10% p.a., was not charged. (b) Interest on Drawings: Mohan Rs. 250, Vijay Rs. 200, Anil Rs. 150 was not recorded in the books. Record necessary corrections through journal entries.
15	Anju, Manju and Mamta are partners whose fixed capitals were Rs. 10,000, Rs. 8,000 and Rs. 6,000, respectively. As per the partnership agreement, there is a provision for allowing interest on capitals @ 5% p.a. but entries for the same have not been made for the last three years. The profit sharing ratio during there years remained as follows: Year Anju Manju Mamta 2016 4 3 5 2017 3 2 1 2018 1 1 1 Make necessary and adjustment entry at the beginning of the fourth year i.e. April 2019.

## Chapter 2

- 1 A and B were partners in a firm sharing profits and losses in the ratio of 3:2. They admit C into the partnership with  $\frac{1}{6}$  share in the profits. Calculate the new profit sharing ratio?
- 2 A and B were partners in a firm sharing profits in 3:2 ratio. They admitted C for  $\frac{3}{7}$  share which he took  $\frac{2}{7}$  from A and  $\frac{1}{7}$  from B. Calculate new profit sharing ratio?
- 3 P and Q are partners sharing profits in 2:1 ratio. They admitted R into partnership giving him  $\frac{1}{5}$  share which he acquired from P and Q in 1:2 ratio. Calculate new profit sharing ratio?
- 4 Singh, Gupta and Khan are partners in a firm sharing profits in 3:2:3 ratio. They admitted Jain as a new partner. Singh surrendered  $\frac{1}{3}$  of his share in favour of Jain: Gupta surrendered  $\frac{1}{4}$  of his share in favour of Jain and Khan surrendered  $\frac{1}{5}$  in favour of Jain. Calculate new profit sharing ratio?
- 5 Compute the value of goodwill on the basis of four years' purchase of the average profits based on the last five years? The profits for the last five years were as follows:  
Rs. 2015 40,000 2016 50,000 2017 60,000 2018 50,000 2019 60,000
- 6 Firm's Capital in a business is Rs. 2,00,000. The normal rate of return on firm's capital is 15%. During the year 2015 the firm earned a profit of Rs. 48,000. Calculate goodwill on the basis of 3 years purchase of super profit?
- 7 A business has earned average profits of Rs. 1,00,000 during the last few years. Find out the value of goodwill by capitalisation method, given that the assets of the business are Rs. 10,00,000 and its external liabilities are Rs. 1,80,000. The normal rate of return is 10%?
- 8 Verma and Sharma are partners in a firm sharing profits and losses in the ratio of 5:3. They admitted Ghosh as a new partner for  $\frac{1}{5}$  share of profits. Ghosh is to bring in Rs. 20,000 as capital and Rs. 4,000 as his share of goodwill premium. Give the necessary journal entries: a) When the amount of goodwill is retained in the business. b) When the amount of goodwill is fully withdrawn. c) When 50% of the amount of goodwill is withdrawn. d) When goodwill is paid privately.
- 9 Arti and Bharti are partners in a firm sharing profits in 3:2 ratio, They admitted Sarthi for  $\frac{1}{4}$  share in the profits of the firm. Sarthi brings Rs. 50,000 for his capital and Rs. 10,000 for his  $\frac{1}{4}$  share of goodwill. Goodwill already appears in the books of Arti and Bharti at Rs. 5,000. the new profit sharing ratio between Arti, Bharti and Sarthi will be 2:1:1. Record the necessary journal entries in the books of the new firm?
- 10 Rajesh and Mukesh are equal partners in a firm. They admit Hari into partnership and the new profit sharing ratio between Rajesh, Mukesh and Hari is 4:3:2. On Hari's admission goodwill of the firm is valued at Rs. 36,000. Hari is unable to bring his share of goodwill premium in cash. Rajesh, Mukesh and Hari decided not to show goodwill in their balance sheet. Record necessary journal entries for the treatment of goodwill on Hari's admission.
- 11 Aditya and Balan are partners sharing profits and losses in 3:2 ratio. They admitted Christopher for  $\frac{1}{4}$  share in the profits. The new profit sharing ratio agreed was 2:1:1. Christopher brought Rs. 50,000 for his capital. His share of goodwill was agreed to at Rs. 15,000. Christopher could bring only Rs. 10,000 out of his share of goodwill. Record necessary journal entries in the books of the firm?
- 12 Leela and Meeta were partners in a firm sharing profits and losses in the ratio of 5:3. In April 2017 they admitted Om as a new partner. On the date of Om's admission the balance sheet of Leela and Meeta showed a balance of Rs. 16,000 in general reserve and Rs. 24,000 (Cr) in Profit and Loss Account. Record necessary journal entries for the treatment of these items on Om's admission. The new profit sharing ratio between Leela, Meeta and Om was 5:3:2

- 13 A and B share profits in the proportions of  $\frac{3}{4}$  and  $\frac{1}{4}$ . Their Balance Sheet on March 31, 2016 was as follows: Balance Sheet of A and B as at March 31, 2016

Liabilities	Amount	Assets	Amount
Sundry creditors	41,500	Cash at Bank	26,500
Reserve fund	4,000	Bills Receivable	3,000

A	30,000	Stock	20,000
B	16,000	Fixtures	1,000
		Land & Building	25,000
	91,500		91,500

On April 1, 2017, C was admitted into partnership on the following terms:

- That C pays Rs. 10,000 as his capital.
- That C pays Rs. 5,000 for goodwill. Half of this sum is to be withdrawn by A and B.
- That stock and fixtures be reduced by 10% and a 5%, provision for doubtful debts be created on Sundry Debtors and Bills Receivable.
- That the value of land and buildings be appreciated by 20%.
- There being a claim against the firm for damages, a liability to the extent of Rs. 1,000 should be created.
- An item of Rs. 650 included in sundry creditors is not likely to be claimed and hence should be written back. Show necessary ledger accounts and prepare the Balance Sheet after admission.

- 14 Azad and Babli are partners in a firm sharing profits and losses in the ratio of 2:1. Chintan is admitted into the firm with 1/4 share in profits. Chintan will bring in Rs. 30,000 as his capital and the capitals of Azad and Babli are to be adjusted in the profit sharing ratio. The Balance Sheet of Azad and Babli as on March 31, 2016 (before Chintan's admission) was as follows: Balance Sheet of A and B as on 31.03.2016

Liabilities	Amount	Assets	Amount
Sundry creditors	8,000	Cash at Bank	10,000
Bills payable	4,000	Cash in hand	2,000
General reserve	6,000	Machinery	25,000
Capital Accounts		Debtors	8,000
A	50,000	Stock	10,000
B	32,000	Fixtures	5,000
		Land & Building	40,000
	1,00,000		1,00,000

It was agreed that:

- Chintan will bring in Rs. 12,000 as his share of goodwill premium.
- Buildings were valued at Rs. 45,000 and Machinery at Rs. 23,000.
- A provision for doubtful debts is to be created @ 6% on debtors. The capital accounts of Azad and Babli are to be adjusted by opening current accounts. Show necessary ledger accounts and prepare the Balance Sheet after admission.

- 15 Ashish and Dutta were partners in a firm sharing profits in 3:2 ratio. On Jan. 01, 2015 they admitted Vimal for 1/5 share in the profits. The Balance Sheet of Ashish and Dutta as on March 31, 2016 was as follows:

Liabilities	Amount	Assets	Amount
Sundry creditors	15,000	Cash at Bank	5,000
Bills Payable	10,000	Bills Receivable	
Capital Accounts		Debtors 10,000- provision 2000	20,000
Ashish Capital	80,000	Stock	35,000
Dutta's Capital	35,000	Plant	45,000
		Land & Building	35,000
	1,40,000		1,40,000

It was agreed that: i) The value of Land and Building be increased by Rs. 15,000. ii) The value of plant be increased by 10,000. iii) Goodwill of the firm be valued at Rs. 20,000. iv) Vimal to bring in capital to the extent of 1/5th of the total capital of the new firm. Record the necessary journal entries and prepare the Balance Sheet of the firm after Vimal's admission.

## **SUBJECT: - BUSINESS STUDIES**

Solve Exercise questions (Very Short Answer Type , Short Answer Type, Long Answer Type) of NCERT of following chapters

Chapter	Title
1	NATURE AND SIGNIFICANCE OF MANAGEMENT
2	PRINCIPLES OF MANAGEMENT
3	BUSINESS ENVIRONMENT
4	Planning

## **SUBJECT: - ECONOMICS**

1. Differentiate between microeconomics and macroeconomics  
What do you mean by CIRCULAR FLOW OF INCOME? Explain its different phases in details.
2. Differentiate between stock and flow on the basis meaning, time dimension , nature of concepts and atleast 6 examples.
3. Write about types of circular flow? As real flow and money flow.
4. Describe four sectors of an economy
5. Introduce the following terms:-
  - i) Domestic Territory
  - ii) Normal residents
  - iii) Factor income and transfer income
  - iv) Final goods and intermediate goods
  - v) Consumption goods and capital goods
  - vi) Net investment and gross investment
  - vii) NIT
  - viii) Subsidies
  - ix) Factor cost and market price
  - x) Tell about NFIA and its components
  - xi) Define various aggregates of national income?
7. Differentiate between National income and Domestic income?
8. write the steps of value added method and its precautions.
9. What do you understand by problem of double counting ? how can you avoid it.
10. What is income method to calculate national income? Write about components of factor income.
11. Explain the steps of income method and its precautions?
12. What do you mean by expenditure method? Explain the components of final expenditure.
13. Practice items about treatment of the different items in the national income.
14. Solve 10-10 Numerical Questions of value added method, Income method and Expenditure method?
15. Define the following:-
  - 1) Nominal GDP and real GDP
  - 2) National income at current price and constant price
16. Write about GDP Deflator (or price index )with formulae?
17. Write short notes on GDP and welfare ?

## **SUBJECT: - HISTORY**

**Chapter: 1 bricks, beads and bones: the Harappa civilisation questions:**

- Q1. It is not the Harappa script that helps in understanding the ancient civilisation. Rather it is material evidence that allows archaeologists to better reconstruct Harappa life. Give examples of at least two material evidences.
- Q2. Archaeologists classify their finds according to two basic principles. Discuss in brief.
- Q3. Write about the craft production of harappan people.
- Q4. Write in detail about the town planning of harappan civilization.
- Q5. What was the great bath?
- Q6. Give evidences to support that harappan people were sea farers?
- Q7. What are the explanations provided by the archaeologists for the cultural changes in the later Harappa period?
- Q8. Why do archaeologists associate a rural way of life with late Harappa or successor cultures?
- Q9. Who was R.E.M. Wheeler? What was his contribution in the study of ancient site of Mohenjodaro?
- Q10. Alexander Cunningham the first director general of ASI missed the significance of Harappa civilisation. Give reasons to support this statement.
- Q11. How do archaeologists trace socio-economic differences in Harappa society? What are the differences that they notice?
- Q12. List the raw materials required for craft production in the Harappa civilisation and discuss how these might have been procured.
- Q13. Discuss how archaeologists reconstruct the past.
- Q14. Discuss the function that may have been performed by rulers in Harappa society
- Q15. What do you mean by the term frame of reference?
- Q16. Early archaeologists considered certain objects which seemed unusual or unfamiliar to have a religious significance. Give name of at least two such objects.
- Q17. What is a fire altar?
- Q18. Certain seals found at Harappa sites have been regarded as a depiction of proto Shiva. Discuss in brief.
- Q19. Who are shamans?
- Q20. What is Mackay's (one of the earliest excavators) interpretation about the conical objects found at Harappa sites?

**Chapter: 2 kings, farmers and towns: early states and economies (600 bce-600ce) questions:**

- Q1. What are megaliths?
- Q2. Who was James Prinsep?
- Q3. What is epigraphy?
- Q4. What is palaeography?
- Q5. What are Dharmasutras?
- Q6. Give two reasons for the rise of Magadha as the most powerful state among the 16 Mahajanapadas.
- Q7. Historians have used a variety of sources to reconstruct the history of the Mauryan Empire. Name at least two such sources.
- Q8. Megasthenes mentions a committee with six sub-committees for coordinating military. Write in brief about these six sub-committees.
- Q9. What do you mean by Tamilkam?
- Q10. Who were Samantas?
- Q11. What are Prashastis?
- Q12. Mention at least two developments that took place in different parts of the Indian subcontinent during the long span of 1500 years following the end of the Harappa civilisation.
- Q13. Discuss the notions of kingship that developed in the post-Mauryan period.
- Q14. Mention the strategies adopted by the kings, communities and individuals to increase the agricultural production from the sixth century onwards?
- Q15. What is a manuscript?
- Q16. What was an Agrahara?
- Q17. What are votive inscriptions?
- Q18. What is numismatics?
- Q19. Describe the salient features of Mahajanapadas?
- Q20. List some of the problems faced by epigraphists?

- The History and Legacy of Mauryan Empire
- or
- The Revolt of 1857- Causes; Planning & Coordination; Leadership, Vision of Unity
- or
- Comparative study of Mughal and Vijayanagar architecture.

Note: Kindly refer to the guidelines on project work : - One Project to be done throughout the session, as per the existing scheme.

- Steps involved in the conduct of the project: Students may work upon the following lines as suggested:

1. Choose a Title/Topic
2. Need of the Study, Objective of the Study
3. Hypothesis
4. Content -Timeline, Maps, Mind maps, Pictures, etc. (Organization of Material/Data Present Material/Data)
5. Analysing the Material/Data for Conclusion
6. Draw the Relevant Conclusion
7. Bibliography

MAP WORK: LOCATE THE FOLLOWING ON THE POLITICAL MAP

PAGE.NO.	LIST OF MAPS
2.	Mature Harappan sites: Harappa, Banawali, Kalibangan, Balakot, Rakhigarhi, Dholavira, Nageshwar, Lothal, Mohenjodaro, Chanhudaro, KotDiji.
30.	Mahajanapada and cities: Vajji, Magadha, Kosala, Kuru, Panchala, Gandhara, Avanti, Rajgir, Ujjain, Taxila, Varanasi.
33.	Distribution of Ashokan inscriptions: • Pillar inscriptions - Sanchi, Topra, Meerut Pillar and Kaushambi. • Kingdom of Cholas, Cheras and Pandyas.
43.	Important kingdoms and towns: • Kushanas, Shakas, Satavahanas, Vakatakas, Guptas • Cities/towns: Mathura, Kanauj, Puhar, Braghukachchha, Shravasti, Rajgir, Vaishali, Varanasi, Vidisha

### **SUBJECT: - POL. SCIENCE**

Revise chapter The end of bipolarity, New centres of power and Globalisation

Learn and Write on your Homework notebook

1. What was the Soviet System? Assess any four features of the Soviet Union.
2. Highlight any three positive and three negative features of the Soviet System in the Soviet Union.
3. How did the second most powerful country in the world become so weak that it suddenly disintegrated? Explain any six factors.
4. In what three ways did the collapse of the Soviet Union affect the world politics? Explain.
5. Describe the role of Gorbachev to reform the Soviet System and the effects of these reforms? on the USSR.
6. If the Soviet Union had not disintegrated and the world had remained bipolar, how would that situation have affected the world politics?
7. What were the major consequences of the disintegration of the Soviet Union for countries like India?
8. Describe the factors that make most of the former Soviet Republics prone to conflicts and threats.
9. Describe any three operations (Military actions) launched by the US established its supremacy
10. What is meant by 'Shock Therapy'? Explain any four consequences of Shock Therapy.
11. What are the causes and the outcomes of the Arab Spring?
12. Trace the evolution process of European Union.
13. Explain the factors responsible for the rise of the Chinese economy.
14. Explain the three ASEAN communities and the ASEAN VISION 2020.
15. Examine the changing Indo-China relations.
16. What were the objectives behind the formation of the ASEAN in 1967?

18. What was the Marshall Plan? How did it pave the way for the formation of OEEC (Organisation of European Economic Cooperation)

19. Write a short note on Japan, South Korea, BRICS, SAARC, India, Russia and Israel

20. Globalisation:- cause, consequences (political, economic and cultural), India and Globalisation, Resistance to Globalisation.

**Daily activity :** Write 3 News headlines (International/ National/states) on daily basis and paste cuttings from newspapers on your Homework notebook)

**Project work :** Do project work on the topic “**THE END OF BIPOLARITY**” OR “**NEW “CENTRES OF POWER**”

Project work consists of 20 page only content. Follow CBSE guidelines for completion of project work

**Map work:** Map of page no 5, 24, 53, 56 of your First book

## **SUBJECT: - GEOGRAPHY**

- 1. Make notes of Chapters:** Human Development, Land use and Agriculture
- 2. Prepare practical file covering the following units:**
  - Data : it's source and compilation ( Definition, types and importance)
  - Data processing: Definition and calculation of Mean, median and mode with examples
  - Data Representation : Thematic maps (Dot Map, Choropleth, Isopleth)
- 3. Prepare a project file on any one of the following topics:**
  - Urban waste disposal OR. slums in India
  - Page 1 – School name, topic name, submitted to, submitted by
  - Page 2 – Acknowledgement
  - Page 3 – Index
  - Page 4 – Introduction
  - Page 5 – 23 – content related to topic ( **Include pictures and maps wherever required**)
  - Second last page – Conclusion
  - Last Page – Bibliography (sources)
- 4. Locate the following on the Political Map of India: Repeat 2 Times**
  - a) State with Highest population density and lowest population density
  - b) Leading producer of Rice, wheat, cotton, jute, sugarcane, tea, coffee
  - c) Iron ore mines: Mayurbhanj, Bailadila, Ratnagiri, Bellary,  
Oil refineries: Mathura, Jamnagar, Barauni  
Copper Mines: Hazaribagh, Singhbhum, Bellary  
Coal mines: Jharia, Bokaro, Raniganj, Neyveli.
  - d) Major sea ports: Kandla, Mumbai, Marmagao, Kochi, Mangalore, Tuticorin, Chennai, Vishakapatnam, Paradwip, Haldia
  - e) International airports: Ahmedabad, Mumbai, Bengaluru, Chennai, Kolkata, Guwahati, Delhi, Amritsar, Thiruvananthapuram and Hyderabad.

**The above maps should be kept in separate file or notebook.**

### **Subject: Informatics Practices (065)**

- Revision of Python data types and operators studied in class XI and write concisely on notebook.
- Write exercise questions of NCERT book of Data Handling Using Pandas - I, Plotting Data Using matplotlib chapter.
- Write practicals of the topics studied on the practical file.
- Explore the topics for investigatory projects.

### **Subject: Computer Science (083)**

- Revision of Python Concepts covered in class XI and write concisely on notebook.
- Write exercise questions of NCERT book of Functions, Exception handling and file handling chapter.
- Write practicals of the topics studied on the practical file.
- Explore the topics for investigatory projects.