



FEDERAL DIRECTORATE OF EDUCATION

Summer Vacation Task

Computer-----Class-VIII

**SESSION
2024-25**



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**FEDERAL DIRECTORATE OF EDUCATION
SUMMER VACATION HOMEWORK
CLASS: 8**

Note: Summer Vacation Homework must be completed in full. Attempt the questions on loose sheets. File containing all loose sheets must be submitted on the first day after vacation.

1. SUBJECT: COMPUTER SCIENCE

- **VACATION TASKS**
- **Unit # 1**
- **ICT FUNDAMENTALS**

| No. | Student Learning Objective | Task |
|------------|-----------------------------------------|------------------------------------------------------------------------|
| 1 | Knowledge of computer networks | What is computer networking and why is it important? |
| 2 | Understanding of computer networks | What is a network protocol and what are some examples? |
| 3 | Analysis of computer networks | What is the difference between a LAN and a WAN? |
| 4 | Understanding of flow of data | How does data travel across the internet? |
| 5 | Identify core networking components | What is a router and what is its role in a network? |
| 6 | Analysis of different types of networks | What is the difference between a wired and a wireless network? |
| 7 | Analysis of wireless networks | What are the advantages and disadvantages of using Wi-Fi? |
| 8 | Identify network security | What is a firewall and why is it important in network security? |
| 9 | Application of network | How does a VPN (Virtual Private Network) work and what is it used for? |
| 10 | Analysis of basics of networking | What are the basic steps involved in setting up a home network? |

| | | |
|----|------------------------------------------------|-----------------------------------------------------------------------|
| 11 | Knowing about techniques | What are some common network troubleshooting techniques? |
| 12 | Identify the working of components | What is the difference between a hub, a switch, and a router? |
| 13 | Application of knowledge | What is a DNS (Domain Name System) and how does it work? |
| 14 | Understanding of ISP | What is the role of an ISP (Internet Service Provider) in networking? |
| 15 | Analysis of the usage of emerging technologies | What are some emerging trends in computer networking? |

VACATION PROJECT

Students have to complete one project to practice the practical application of knowledge. Following is the detail of project.

| Student Learning Objective | Project Details | Project Deliverables |
|-----------------------------------------------------------------------|------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Develop and demonstrate understanding of computer wireless networking | Title: Exploring Wireless Networking: Connecting the World Wirelessly | Following items should be emailed to teacher in an email titled with Student Name: A screen recording of the connectivity to any source of Wi-Fi Screenshots of activities performed by using wireless networks 3 screenshots of other wireless network connectivity |

- Unit # 2
- DIGITAL SKILLS

| No. | Students learning objective | Task |
|-----|----------------------------------------------|-----------------------------------------------------------------------------------------------------|
| 1 | Develop and demonstrate data handling | Questions: 1. What is a spreadsheet, and how is it used in various industries and fields? |

skills by using various software tools e.g MS Excel, Google sheets etc.

2. How do you create a new spreadsheet in popular software like Microsoft Excel or Google Sheets?
3. Explain the difference between rows and columns in a spreadsheet.
4. What are cells in a spreadsheet, and how are they identified?
5. How can you enter data into a cell in a spreadsheet?
6. What are formulas in spreadsheets, and how are they used to perform calculations?
7. Provide examples of basic mathematical operations that can be performed using formulas in a spreadsheet.
8. How do you format cells in a spreadsheet to change the appearance of the data?
9. What is conditional formatting in a spreadsheet, and how can it be used to highlight specific data?
10. How can you sort and filter data in a spreadsheet to organize information more effectively?
11. Explain the concept of charts and graphs in a spreadsheet, and how they can represent data visually.
12. What are functions in a spreadsheet, and how do they differ from formulas?
13. Provide examples of common functions used in spreadsheets, such as SUM, AVERAGE, and MAX.
14. How can you create a basic budget or expense tracker using a spreadsheet?
15. What are the advantages of using spreadsheets in problem-solving and data analysis tasks?
16. How can you collaborate with others on a spreadsheet, allowing multiple

| | | |
|--|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | <p>people to work on it simultaneously?</p> <p>17. What are some potential errors or mistakes that can occur in a spreadsheet, and how can they be avoided or fixed?</p> <p>18. How can you print a spreadsheet or generate PDF versions of the data?</p> <p>19. Explain the concept of data validation in a spreadsheet and how it can help ensure data accuracy.</p> <p>20. Provide tips for organizing and managing large sets of data in a spreadsheet.</p> |
| | | |
| | | |

Students have to complete one project to practice the practical application of knowledge. Following is the detail of project.

| Student Learning Objective | Project Details | Project Deliverables component |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>The objective of this project is to introduce grade8 students to spreadsheets as a tool for organizing data and analyzing information.</p> <p>Students will learn basic spreadsheet functions, explore data entry techniques, and apply their knowledge to solve real-life problems</p> | <p>Title: Exploring Spreadsheets: Organizing Data and Analyzing Information</p> <p>Introduce students to common formulas and functions, such as SUM, <u>AVERAGE, MAX, and MIN</u></p> | <p>Following items should be emailed to teacher in an email titled with Student Name:</p> <ol style="list-style-type: none"> 1. A screen shot of the spreadsheet used 2. Screenshots of activities performed by using data and functions 3. Final results of application of formula |



FEDERAL DIRECTORATE OF EDUCATION

Summer Vacation Task

English-----Class-VIII

**SESSION
2024-25**



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FEDERAL DIRECTORATE OF EDUCATION ISLAMABAD

Summer Home Task- English

Class: VIII

| Week | SLO | Tasks |
|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 5 th - 11 th June 2024 | Read a story to <ul style="list-style-type: none">• retell it sequentially.• summarize. | <u>Story Reading:</u> Read any one of the given story and tell your favourite part of it. What was the climax of the story, which made you excited and thrilled? Cindrella https://drive.google.com/file/d/17CIScgIELzp4dRj-DVJl9yRw7tugZ9MN/view The shepherd boy and the Wolf https://drive.google.com/file/d/1CB1Gcas9mMC8pac2x2dTNjX1LL_5_qfC/view Goldilocks and the three bears https://drive.google.com/file/d/1Q_09rY9-iO6JnuMk935lVT5OPfeo2IvR/view |
| 12 th - 18 th June 2024 | Use pre-reading strategies to <ul style="list-style-type: none">• predict the content of a text from topic / picture, title / headings, key words and visuals etc. by using prior knowledge, asking questions | <u>Reading Comprehension:</u> Open the link given below, and solve reading comprehension passages, one each week. Do the given exercises on a register, or on loose sheets. https://www.ereadingworksheets.com/browse-worksheets-by-grade-level/reading-worksheets-by-grade-level/8th-grade-reading-worksheets/ OR https://www.doe.mass.edu/mcas/2015/release/gr8-ela.pdf OR |

| | | |
|-------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | <p>and</p> <p>contextual clues.</p> <p>Use pre-reading strategies to</p> <ul style="list-style-type: none"> • predict the content of a text from topic/picture, title / headings, key words and visuals etc. | <p>https://englishforeveryone.org/Topics/Reading-Comprehension.html</p> |
| <p>19th- 25th June 2024</p> | <p>Illustrate use of punctuation marks learnt earlier.</p> <p>Recognize and rectify faulty punctuation in given passages and own work.</p> <p>Illustrate use of prepositions</p> <p>Demonstrate use of pronouns as subject and object.</p> <p>Identify active and passive voice in sentences.</p> | <p><u>Use of parts of speech, grammar, and punctuation:</u></p> <p>Revise figurative language, literary terms, as well as all the grammar covered this year and last year:</p> <ul style="list-style-type: none"> • Sentences variety • Tenses (past, present and future) • Subject verb agreement • Active/passive voice • Collective nouns • Adjectives/adverbs, adjectival phrases/adverbial phrases/ noun phrases • Pronouns/ • Suffixes /Prefixes • Prepositions • Use of apostrophes • Direct/indirect speech <p>Here are some helpful sites:</p> <ul style="list-style-type: none"> • www.bbcskillwise.co.uk • www.funbrain.com • www.learnenglish.org.uk • www.homenet/englishzone |

| 26 th – 2 nd July 2024 | Eid ul Azha Break | |
|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3 rd - 9 th July 2024 | Write a simple unified paragraph on a given topic | <p><u>Writing a Magazine Article:</u></p> <ul style="list-style-type: none"> ● Choose a topic that is interesting to you. (If you are interested in your topic, it'll be fun!) ● Research your topic and make a list of things you find interesting. What would the reader most enjoy reading about? ● Gather a short list of facts and display them in your article in a separate section. This could be a caption to a picture or just a box of facts. |
| 10 th -16 th July 2024 | <p>Analyze how a writer/ poet uses language to appeal to the senses through use of figurative language including similes and metaphors.</p> <p>Use summary skills to extract salient points</p> | <p><u>Writing a summary:</u></p> <ul style="list-style-type: none"> ● Read an article from English Newspaper. It can be from games, current affairs, religion, business or fashion industry. ● Write a summary of 50 words on it. ● Start your summary by telling the name of the article, story, or other text that you're summarizing. Include a short introduction. This should be about the main idea of the whole text. ● Write only the most important things. Include very short examples if necessary. Remember to write the summary in your own words, don't copy the author's words. ● Think about what you would tell a friend if they asked what the text is about. ● When you have finished your drafting, go back and read it again. |
| 17- 23 rd July 2024 | <p>Analyze and compare various informal and formal dialogues to note differences of features, vocabulary, style and tone.</p> <p>Write and revise short formal dialogues.</p> | <p><u>Writing a Scene from a play and presenting it</u> (in groups of five after the summer break).</p> <ul style="list-style-type: none"> ● Choose a setting for your play. (This could be anywhere you feel like writing about: a library, a shopping mall, a school, a park, on a boat.) ● Give directions for the actors/ presenters. ● Write dialogues in the present tense. ● Include lines for five actors. ● The actors' lines keep the story moving. ● There should be a moral lesson of the play. |

| | | |
|------------------------------------|------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 24 th – 28 July 2024 | Develop focus to write a paragraph for a given purpose and audience . | <u>Watching a movie:</u> Enjoy Watching These Movies and Write Your Views About Any One Of Them, in 150 words. <ul style="list-style-type: none">● We can be heroes● Secret Magic Control Agency● Despicable Me● Monster House● The Little Prince |
|------------------------------------|------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



FEDERAL DIRECTORATE OF EDUCATION

Summer Vacation Task

General Science---Class-VIII

**SESSION
2024-25**



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Summer Vacation Homework

Class VIII

General Science

1. Define the following terms: Ecology, Photosynthesis, Respiration
2. Discuss the biotic and abiotic factors involved in the formation of an ecosystem.
3. How many types of interactions are there in an ecosystem?
4. Differentiate between producers and consumers.
5. Draw carbon and oxygen cycle. Also state importance of these cycles in bringing balance and symmetry to the life on the earth.
6. Why sewage water must be treated before releasing it into system?
7. How human activities can help in restoration of an ecosystem.
8. Describe and illustrate the negative effects of human activities on the available resources and their role in disturbing the balance among population.

Project Work(1)

Make a model of food chain and food web by using plastic plants and animals.

9. Define neuron and nervous system.
10. Describe the structure and functions of neuron with the help of a diagram.
11. Name three types of neurons. Also write their functions.
12. Draw a flow chart to explain the parts of human nervous system.
13. Describe the structure of human brain and its functions. Also draw a labeled diagram.
14. Differentiate between Reflex action and Reflex arc. Also state the sequence of nerve impulse in reflex arc.

Project Work(2)

Make a model of Human nervous system with the help of thermopor sheet and cardboard.

Make a poster which shows the plan of healthy activities to maintain the health of brain.

15. Define periodic table, periods, and rows.
16. Identify the names and location of first eighteen elements.
17. Distinguish between metals and non-metals.
18. Suggest why Copper and Aluminium are used in making electrical wires.
19. Recommend which properties of the metals make them suitable for making many objects or their parts. List three examples to justify your answer.

Project Work(3)

Construct an outline of Periodic Table on a chart paper. Show metals with brown color, halogens with yellow color, noble gases with red color, and some non-metals with blue color.

20. Define force and density. State their units and formulas.

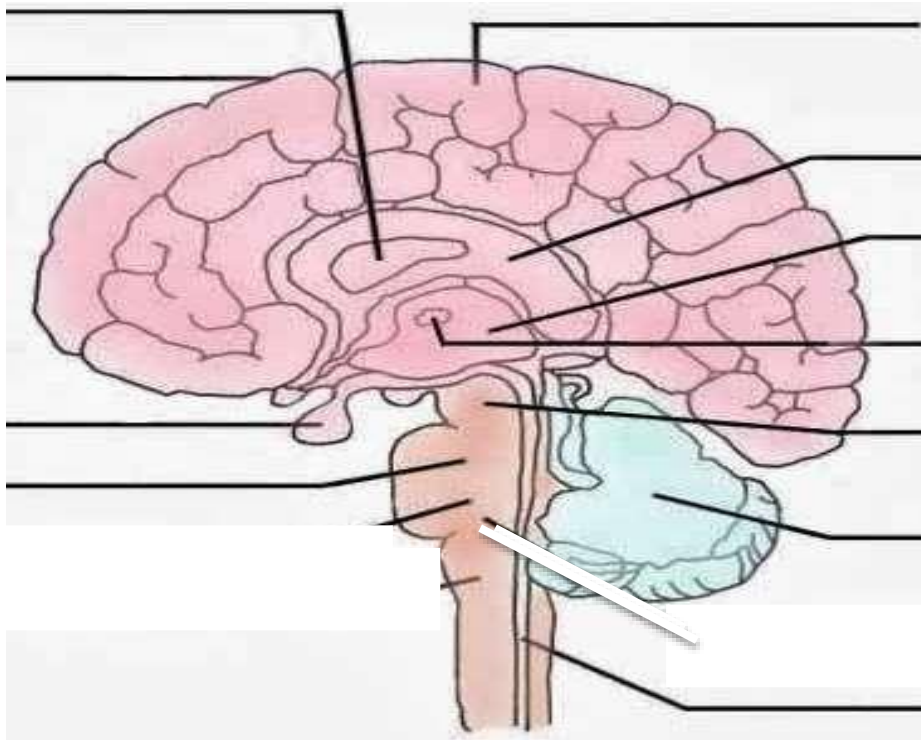
21. Distinguish between balanced and unbalanced forces.
22. Differentiate between floating and sinking objects.
23. Why does the fish float in the middle of the water?
24. Why is atmospheric pressure greatest at the surface of the earth?
25. Illustrate relation between pressure, force and area.

Project Work (4)

Construct a hydraulic elevator to illustrate law of conservation of energy.

REVISION OF ASSIGNED TASK

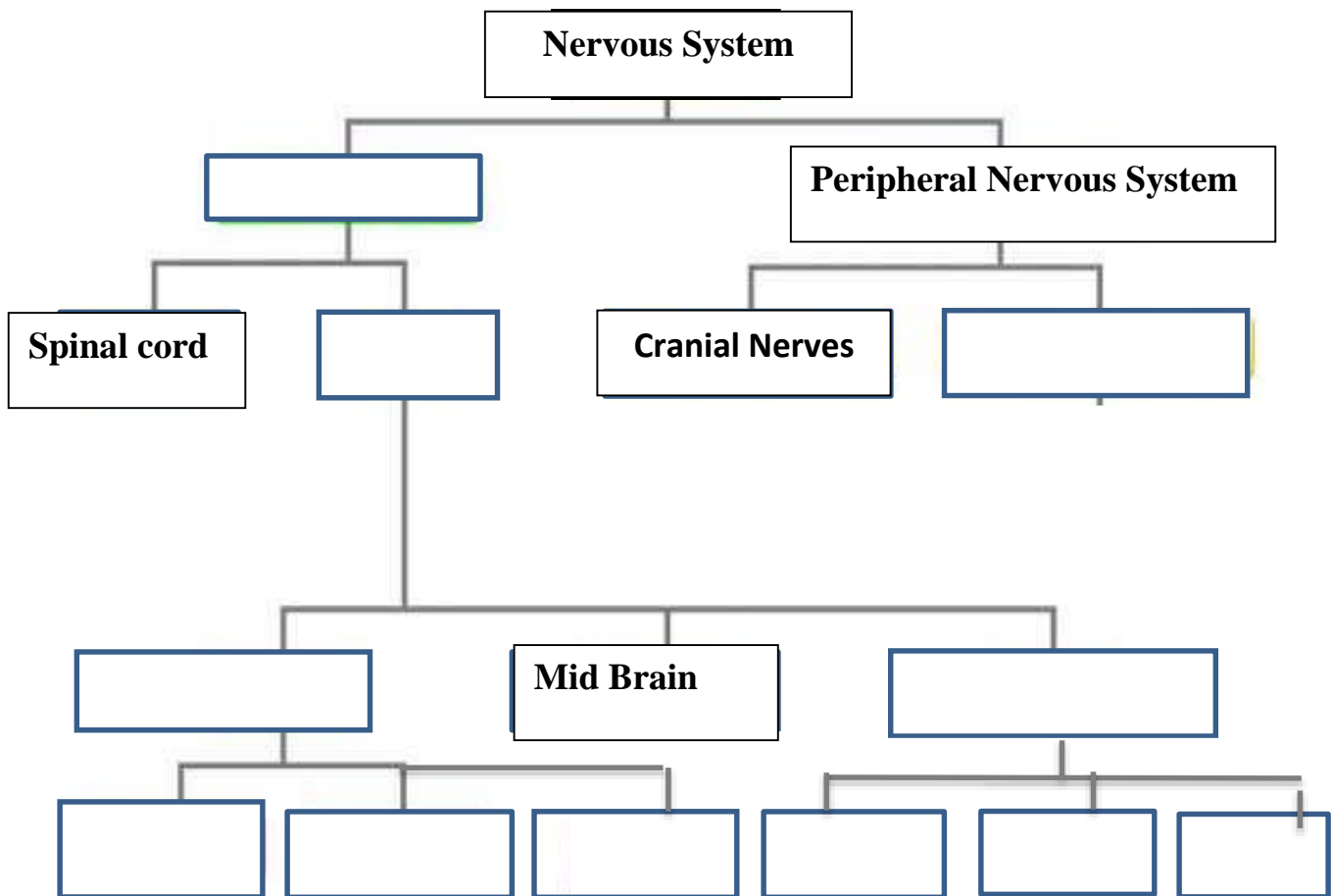
Label the following diagram



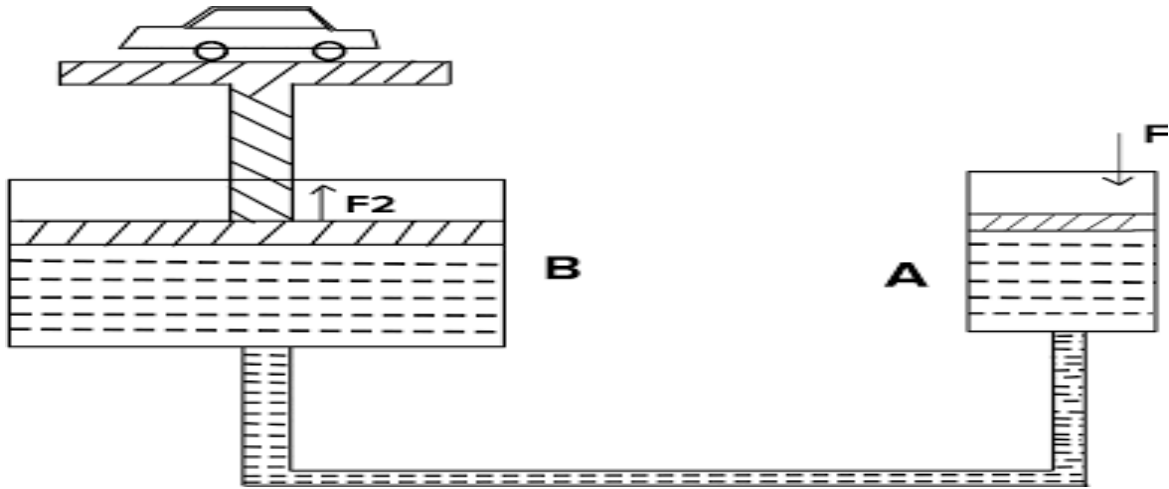
Write symbols of missing elements of periodic table.

| | | | | | | | | | | | | | | |
|----|---|----|----|----|---|----|----|----|--|----|---|----|--|----|
| 1 | | | | | | | 2 | | | | | | | |
| 1 | H | | | 6 | C | | 10 | Ne | | | | | | |
| 11 | | 12 | Mg | 13 | | 14 | | 15 | | 16 | S | 17 | | 18 |

Complete this flow diagram of nervous system.



Label the diagram of Hydraulic lift.



NOTE

8th Class Summer Vacation Task comprises of Unit 1, 2, 5 and 8 to cover the concepts of Biology, Chemistry and Physics.



FEDERAL DIRECTORATE OF EDUCATION

SUMMER VACATION WORK

Geography ----- Class-VIII

SESSION
2024-25



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Homework Package for Summer Vacation

Instructions:

- Students have to do this assigned homework for summer vacation.
- Make a plan to read, write and learn on daily-basis.
- Write the homework on neat and clean note-books or registers.
- Don't waste your time.
- If you face any kind of query or problem, keep contact with your class-in-charge or subject teacher.
- The second term exam after summer vacation will be from this work.

(Geography Class 6th)

Ch. 1

Write the answers of these questions; and also have to learn and comprehend.

1. What is Geography?
2. Compare Physical and Human Geography?
3. Identify different types of earth?
4. Which are the major Tectonic plates in the world?
5. What are the main types of the Rocks?
6. Draw and label the internal structure of the Earth?
7. Why do geographers use GIS?

Write the Detailed answers of these questions:

1. Explain the theory of Plate tectonic in detail?
2. Classify different layers of Earth and draw labeled diagram?
3. Explain the importance of Rocks in the economy of a Region?

Flow- Chart

Make the flow chart of the types of the Rocks:

Activity

Collect and paste the pictures of the different types of the Earth in your note-book.

Ch. 2

Write the answers of these questions; and also have to learn and comprehend.

1. What do you mean by Fold-Mountains?
2. What are Block-Mountains?
3. What are Volcanic-Mountains?
4. What is difference between mountains and plateaus?
5. What is a map/
6. Write the names of the mountain ranges in Pakistan?

: Write the Detailed answers of these questions

1. Write the importance of the mountains in Pakistan?
2. Explain the types of valleys in detail?
3. Write the life styles of the Mountainous people of Pakistan?

Flow- Chart/Map

Make or draw a grid map in your note-book:

Activity

Collect and paste the pictures of the different types of the Mountains and also write their names in your note-book.

Homework Package for Summer Vacation

Instructions:

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- Make a plan to read, write and learn on daily-basis.
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(Geography Class 7th)

Ch. 1

Write the answers of these questions; and also have to learn and comprehend.

1. Define a river system?
2. How are depositional plains formed?
3. What is difference between erosional and coastal plains?
4. What is difference between plains and mountains?
5. Compare hot and cold deserts?
6. What is a catchment area?
7. What is a water shed?
8. What is a divider?
9. Write the names of the plains?

Write the Detailed answers of these questions

1. Explain the processes Responsible for change in Landscape of the Earth?
2. What are the main features of river plains?
3. Explain the Stages of a River Course?
4. What are differences between hot and cold deserts?

Flow- Chart/Map

Make or draw or paste the pictures of the different types of River- Plains in your note-book:

Activity

Students will compile a collection of images of outwash plain, Loess plain, River Braiding, Ox bow lake, Flood plain and levees.

Ch. 2

Write the answers of these questions; and also have to learn and comprehend.

1. Identify the major sources of the water on Earth. Write the names only?
2. Identify the major sources of the water on Pakistan Write the names only?
3. Write the names of the reasons of the low ground water in Pakistan?
4. What is Precipitation?
5. What Hydrologic Cycle?
6. How can we purify water?
7. What is water cycle?

Write the Detailed answers of these questions

1. Explain the water sources in Pakistan?
2. Explain the reasons for scarcity of drinking water in cities?
3. What are different purification Methods? Describe in detail?
4. How can we solve the Shortage of Water in Pakistan?
5. Explain the methods of water sewage?

Flow- Chart/Map

Make or draw or paste the pictures of Water purification process in your note-book:

Activity

Students will investigate the types of sewage management methods in their surrounding and the write in their note-books.

Homework Package for Summer Vacation

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- **Write the homework on neat and clean note-books or registers.**
- **Don't waste your time.**
- **If you face any kind of query or problem, keep contact with your class-in-charge or subject teacher.**
- **The second term exam after summer vacation will be from this work.**

(Geography Class 8th)

Ch. 1

Write the answers of these questions; and also have to learn and comprehend.

1. What is difference between ocean and sea?
2. What are waves?
3. What is called the deepest part of Pacific Ocean?
4. What is difference between Isthmus and Strait?
5. What do you mean by watershed?
6. How tides are occurred?
7. Write the names of the major oceans of the World?
8. Write the names of the major Seas of the world?
9. Write the names of the possible threats to Oceans?

Write the Detailed answers of these questions;

1. Explain the role of Marine Biodiversity in our Environment?
2. Write a note on the importance of Oceans?
3. Explain the features related to Oceans and Seas?
4. What are the possible threats to the Oceans?
5. How can we minimize the Threats to the Oceans?

Flow- Chart/Map

Make or draw a map of Spring and Neap tides in your note-book:

Activity

Students have to enlist the types of pollution which are affecting the seas and their bad effects also and the write in their note-books.

(Geography Class 8th)

Ch. 2

Write the answers of these questions; and also have to learn and comprehend.

1. What is definition of Hurricanes?
2. What is Tornado?
3. How do hails form?
4. What is difference between Dust Storm and Blizzard?
5. What do you mean by climatic change?
6. Write any three effects of climatic change on human life?
7. What is global warming?
8. Enlist the main reasons of global warming?
9. Enlist the main the main effects of green house/
10. What is the life style of the people of the Polar Region?
11. What is meant by extreme weather?

Write the Detailed answers of these questions;

1. Differentiate climate patterns of Karachi and New York?
2. What are the main causes and effects of climate change?
3. Write about the effects of climate on lifestyles of people of coastal areas?
4. Explain the relationship between extreme weather and climate change?

Flow- Chart/Map

Make or draw a map of causes and effects of global warming in your note-book:

Activity

Students have to enlist the activities performed by people living in coastal areas in their note-books.

Homework Package for Summer Vacation

Instructions:

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- Write the homework on neat and clean note-books or registers.
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- The second term exam after summer vacation will be from this work.

(History Class 6th)

Ch. 1

Write the answers of these questions; and also have to learn and comprehend.

1. Define History?
2. What is meant by Pre-history?
3. What is difference between Stone Age and age of metals?
4. What is meant by Civilization?
5. Write three primary sources of History?
6. Define Mesopotamian Civilization?
7. Draw the Pyramid of social Hierarchy in Sumer?
8. Write about the Hanging Gardens of Babylon?
9. What is difference Shaduf and Granaries/
10. What are the duties of Pharaoh?
11. What was Cuneiform?

Write the Detailed answers of these questions;

1. Why was Babylonian Civilization important?
2. How was Egyptian society structured in the form of a pyramid?
3. Compare the social hierarchy in Sumer valley and ancient Egypt/
4. Describe the irrigation methods in ancient Egypt?
5. Describe the position of women in the ancient civilizations?

Flow- Chart/Map

Make or draw a Egyptian Social Hierarchy Pyramid Chart in your note-book:

Activity

Students have to collect the pictures of tools and stamps of ancient times and paste them in their note-books.

Ch. 2

Write the answers of these questions; and also have to learn and comprehend.

1. Describe the early settlements in Mehrgarh?
2. What was the layout of Harappa's Town?
3. Name some of the primary occupations of Harappa civilization?
4. What was the importance of seals in ancient civilization/
5. What was the Ethical code of Confucius?
6. What were the discoveries and inventions of Shang and Zhou period?

Write the Detailed answers of these questions;

1. What were the similarities and differences between the governance and religion of Shang and Zhou dynasties and Indus Valleys?
2. Explain the economic system of Shang and Zhou?
3. Discuss the mysterious end of the Indus Valley Civilization?

Flow- Chart/Map

Make or draw a Social Hierarchy Pyramid Chart in ancient China in your note-book:

Activity

Turban and cattle exhibition are the remnants of Mehrgarh civilization. Collect images from magazines and paste them in your note-books.

Homework Package for Summer Vacation

Instructions:

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- **Write the homework on neat and clean note-books or registers.**
- **Don't waste your time.**
- **If you face any kind of query of problem, keep contact with your class-in-charge or subject teacher.**
- **The second term exam after summer vacation will be from this work.**

(History Class 7th)

Ch. 1

Write the answers of these questions; and also have to learn and comprehend.

1. Define Feudalism?
2. What was Justinian Code?
3. Differentiate the authority of Pop and King?
4. What was the period of Middle Ages?
5. Enlist the main characteristics of European Feudalism?
6. Who were manors?
7. What do you mean by dark ages?

Write the Detailed answers of these questions;

1. Explain the main causes of the decline of the Roman Empire?
2. Discuss the effects of the fall of Roman Empire?
3. What were the effects of Feudalism on Medieval Europe?
4. What were the Limitations of Feudalism?
5. Explain the role of the Catholic Church in the life of the Ordinary People?
6. What were the impacts of the Dark ages on Europe?

Flow- Chart/Map

Make or draw Hierarchy Pyramid of the Catholic Church in Roman Empire in your note-books:

Activity

Enlist the Feudalism or Feudal shapes in this era in your note books.

Ch. 2

Write the answers of these questions; and also have to learn and comprehend.

1. Write the period of Umayyad Dynasty?
2. Who was Muhammad Bin Qasim?
3. Enlist the main reasons of Invasion of Sindh by Arabs?
4. In which muslim Caliph reign, Spain was conquered?
5. Who was Hazrat Umer Bin Abdul Aziz?
6. Name the famous Muslim Scientists of Abbasids Dynasty?
7. Write a short note on fall of Baghdad?

Write the Detailed answers of these questions;

1. Write the expansion of Muslim State Umayyad dynasty?
2. Write a note on conquest of Sindh?
3. Discuss the governance system of Sindh the Arabs rule?
4. Discuss the development of Islamic Art and Culture in Spain?
5. What were the main reasons of the down fall of the Umayyad Dynasty?
6. Write a note on the golden era of Abbasid era/
7. What were the main reasons of the down fall of the Abbasid Dynasty?

Flow- Chart/Map

Make or draw a chart of the Central Government of the Umayyad in your note-books:

Activity

Make a Genealogy of Abbasids in your note books.

Homework Package for Summer Vacation

Instructions:

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(History Class 8th)

Ch. 1

Write the answers of these questions; and also have to learn and comprehend.

1. Who was Tipu Sultan?
2. Enlist the main causes of the Battle of Plassey?
3. What is the importance of the third Battle of Panipat?
4. Write any three salient features of Proclamation?
5. What were the main depicting words of the educational policy of Lord Maculay?
6. Write three points of social transformation of British India?
7. Specify the advantages of communication networks introduced by the British?

Write the Detailed answers of these questions;

1. Discuss the causes and results of the battle of Plassey?
2. Explain Tipu Sultan as a symbol of resistance?
3. What measures for the social transformation were taken since the British accession to power?
4. Explain the British Economic Policy in India?
5. What were the consequences of the War of Independence?

Flow- Chart/Map

Make or draw a mind map of British Parliament in your note-books:

Activity

Collect the pictures of the Muslims Heroes of Sub-Continent and past the in your note-books.

(History Class 8th)

Ch. 2

Write the answers of these questions; and also have to learn and comprehend.

1. Who was Mujaddid Alf Sani?
2. Introduce Hazrat Shah Wali Ullah?
3. Enlist the important contributions of Syed Ahmed Shaheed?
4. Write note on Brahmo Samaj and Arya Samaj?
5. What were the main aims of Aligarh Movement/
6. What were the main educational contributions of Sir Syed Ahmed Khan?

Write the Detailed answers of these questions;

1. What was the role played by Shah Wali Ullah in opposing the Marathas?
2. Why were the Muslims subjected to harsh treatment by the British after war of Independence in 1857?
3. Describe Faraizi Movement and its impacts/
4. Analyze the impacts of the educational movement of Sir Syed Ahmed Khan?
5. Explain the contribution of Sheikh Ahmed Sarhindi for the revival of Islamic teachings. Give evidences to support your ideas?
6. What were the main contributions of Syed Ameer Ali?

Flow- Chart/Map

Make or draw a mind map of The Impacts of Shah Wali Ullah's Contributions in your note-books:

Activity

Write the names of the books and educational institutions of Sir Syed Ahmed Khan



FEDERAL DIRECTORATE OF EDUCATION

Summer Vacation Task

History-----Class-VIII

SESSION
2024-25



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Homework Package for Summer Vacation

Instructions:

- Students have to do this assigned homework for summer vacation.
- Make a plan to read, write and learn on daily-basis.
- Write the homework on neat and clean note-books or registers.
- Don't waste your time.
- If you face any kind of query of problem, keep contact with your class-in-charge or subject teacher.
- The second term exam after summer vacation will be from this work.

(History Class 8th)

Ch. 1

Write the answers of these questions; and also have to learn and comprehend.

1. Who was Tipu Sultan?
2. Enlist the main causes of the Battle of Plassey?
3. What is the importance of the third Battle of Panipat?
4. Write any three salient features of Proclamation?
5. What were the main depicting words of the educational policy of Lord Maculay?
6. Write three points of social transformation of British India?
7. Specify the advantages of communication networks introduced by the British?

Write the Detailed answers of these questions;

1. Discuss the causes and results of the battle of Plassey?
2. Explain Tipu Sultan as a symbol of resistance?
3. What measures for the social transformation were taken since the British accession to power?
4. Explain the British Economic Policy in India?
5. What were the consequences of the War of Independence?

Flow- Chart/Map

Make or draw a mind map of British Parliament in your note-books:

Activity

Collect the pictures of the Muslims Heroes of Sub-Continent and past the in your note-books.

(History Class 8th)

Ch. 2

Write the answers of these questions; and also have to learn and comprehend.

1. Who was Mujaddid Alf Sani?
2. Introduce Hazrat Shah Wali Ullah?
3. Enlist the important contributions of Syed Ahmed Shaheed?
4. Write note on Brahmo Samaj and Arya Samaj?
5. What were the main aims of Aligarh Movement/
6. What were the main educational contributions of Sir Syed Ahmed Khan?

Write the Detailed answers of these questions;

1. What was the role played by Shah Wali Ullah in opposing the Marathas?
2. Why were the Muslims subjected to harsh treatment by the British after war of Independence in 1857?
3. Describe Faraizi Movement and its impacts/
4. Analyze the impacts of the educational movement of Sir Syed Ahmed Khan?
5. Explain the contribution of Sheikh Ahmed Sarhindi for the revival of Islamic teachings. Give evidences to support your ideas?
6. What were the main contributions of Syed Ameer Ali?

Flow- Chart/Map

Make or draw a mind map of The Impacts of Shah Wali Ullah's Contributions in your note-books:

Activity

Write the names of the books and educational institutions of Sir Syed Ahmed Khan



FEDERAL DIRECTORATE OF EDUCATION

Summer Vacation Task

Islamiyat-----Class-VIII

**SESSION
2024-25**



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وفاقی نظامت، تعلیمات
موسم گرما کی چھیوں کا کام
برائے جماعت ہشتم۔ مضمون: اسلامیات

- 1- ناظرہ حفظ قرآن
درست تلفظ اور تجوید کے قواعد کے مطابق مندرجہ ذیل سورتوں کو نماز میں اور نماز کے علاوہ زبانی یاد کریں۔
1- سورۃ البعدہ 2- سورۃ الشمس 3- سورۃ الیل
- 2- مقابلہ حسن قرأت سورہ الم نشرح، کی آڈیو یا ویڈیو ریکارڈنگ سنوائی جائے۔
- 3- حدیث نبوی ﷺ کے مطابق سورۃ بقرہ کی آخری دو آیات بمعہ ترجمہ یاد کریں۔
- 4- مختصر سوالات کے جوابات یاد کریں۔
 - 1- تقدیر پر ایمان سے کیا مراد ہے؟
 - 2- تقدیر سے متعلق قرآن مجید کی آیت کا ترجمہ یاد کریں۔
 - 3- میزان کسے کہتے ہیں؟
 - 4- عقیدہ آخرت کا معنی اور مفہوم یاد کریں۔
 - 5- خشیت الہی اور فکر آخرت سے متعلق حضرت ابو بکر صدیق رضی اللہ تعالیٰ عنہ کا کیا طرز عمل بیان کریں۔
 - 6- زکوٰۃ کے لغوی معنی کیا ہیں؟
 - 7- زکوٰۃ کے فوائد یاد کریں اور لکھیں۔
 - 8- زکوٰۃ اور عشر میں فرق بیان کریں۔
 - 9- حج میں ری کسے کہتے ہیں؟
 - 10- مناسک حج کے اہم مقامات کے نام یاد کریں۔ مناسک حج کے نام یاد کریں۔
 - 11- تلبیہ کے کلمات کا چارٹ بنا کر لائیں۔



FEDERAL DIRECTORATE OF EDUCATION

Summer Vacation Task

Mathematics-----Class-VIII

**SESSION
2024-25**



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SUMMER VACATION HOMEWORK

CLASS : 8th

Note: Summer Vacation Homework must be completed in full. Attempt the questions on loose sheets. File containing all loose sheets must be submitted on the first day after vacation.

SUBJECT : MATHEMATICS

VACATION TASKS

| Sr.No. | Student Learning Objective | Task/Problems/Test Items/Exercises |
|--------|------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. | Checking of terminating and non terminating and their conversion in decimals | <p>1) Check whether these are terminating or non-terminating decimal. Also, convert them into decimal number.</p> <p>i) $\frac{8}{3}$ ii) $\frac{1}{4}$ iii) $\frac{15}{7}$ iv) $\frac{11}{20}$</p> <p>2) Adnan and Saleem are taxi drivers. Adnan started his journey at 8:30 a.m. and stopped at 9:30 a.m. by covering a distance of 20 km. On the other hand, Saleem travelled 50 km in 2 hours. Assuming that they travel at constant speed, compare the distances travelled by them in the first hour of their journey.</p> <p>3) Arrange these rational numbers in ascending and descending order.</p> <p>i) $\frac{5}{8}, \frac{5}{6}, \frac{7}{4}, \frac{3}{5}$ ii) $\frac{15}{7}, \frac{-5}{3}, \frac{7}{24}, \frac{-13}{5}$</p> <p>4) Ahmed purchased 12 meter long piece of cloth. He used $\frac{3}{4}$ of it and $\frac{1}{9}$ of remaining is damaged. How much cloth will he have left over?</p> <p>5). Monthly test scores of a student are $\frac{10}{15}, \frac{12}{25}, 0.5$ and 75%. Arrange the scores in ascending and descending order.</p> |
| 2 | Recognition of absolute values | <p>1) Find the absolute of the following when $x=1, 2, 3$</p> <p>i) $1+x$ ii) $-x+100$ iii) $x-5$</p> <p>2) Find the absolute of the following</p> |

| | | |
|---|----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | <p>i) 7 ii) -7 iii) $7-2$ iv) $2+3$ v) -3×5</p> <p>3) Arrange the given numbers in ascending order.</p> <p>$-24 , 21 , 17 , -109 , -15 , -19 , -75 , 16$</p> |
| 3 | Finding additive and multiplicative inverse | <p>Find multiplicative and additive inverses of the following numbers</p> <p>1) 12 2) $\frac{1}{13}$ 3) 14 4) -11 5) $\frac{-2}{3}$</p> <p>6) -8 7) $\frac{11-3}{-2}$ 8) $3-25+7$ 9) 0 10) 1</p> |
| 4 | Rounding off Whole numbers and rational numbers to a required degree accuracy and Recognition of Significant figures | <p>1. Round each of the following numbers to the nearest 100 a)108 b)199 c)3471 d)59 e) 33 f)451</p> <p>2. Write each of the following numbers to 3 sig figures a)37412 b)84563 c)18.3071 d)0.0025713 e)4.0071 f)0.3684</p> <p>3. Round 4765173 to a)the nearest million b) the nearest 10 c)the nearest 1000 d)the nearest 100</p> <p>4. A cricket match is watched by 56742 people Write this number correct to the nearest a)10000 b)1000 c)10</p> |
| 5 | Problems related to Inverse and Direct proportion | <p>1) Ayesha uses 400 g of flour to make 8 muffins. How much flour would he need to make 30 muffins?</p> <p>2) 6 builders can build 10 houses in 30 months. How long would it take 18 builders to build the same number of houses?</p> <p>3) A fort had provisions for 300 men for 90 days. After 20 days, 50 men left the fort. How long would the food last at the same rate?</p> <p>4) 8 cows can graze a field in 28 days. How long would 2 cows take to graze the same field?</p> <p>5) If two cardboard boxes occupy 500 cubic centimetres of space, then how much space is required to keep 200 such boxes?</p> <p>6) If 270 kg of corn would feed 42 horses for 21 days, for how many days would 360 kg of corn feed 21 horses?</p> |
| 6 | Basic concepts of sets a) Equality of sets b) Formation of subsets c) Union and | <p>1) Check whether the given sets are equal sets: $A = \{1, 2, 3, 4\}$ and $B = \{2, 4, 1, 3\}$.</p> <p>2) Write the subsets for the set $A = \{1, 3, 5, 7\}$ $B = \{a, b, c, d, e\}$</p> <p>3) Write the set $A = \{1, 2, 3, 4, 5, \dots\}$ in set-builder form and</p> |

| | | |
|----|--------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | Intersection of sets | <p>descriptive form.</p> <p>4) If $A = \{1, 3, 5, 7, 9, 11\}$ and $B = \{1, 2, 3, 13\}$, then find $A - B$ and $B - A$.</p> <p>5) Find $A \cup (B \cap C)$, if $A = \{1, 3, 5\}$, $B = \{2, 4, 6\}$ and $C = \{1, 5, 7\}$.</p> |
| 7 | Apply Square and Square Roots, Cube and Cube Roots in Real life problems | <p>i. The area of square field is 92.16 sq.m. How much string is required for fixing along the sides as a fence?</p> <p>ii. Find the greatest number having four digits which is perfect square.</p> <p>iii. Arrange 1600 students in such a way as the number of rows and number of students in each row should be equal. Find the number of rows and the number of students in each row.</p> <p>iv. A rectangular field has area of 768 square meters, if its length is thrice its width. Find perimeters of the field.</p> <p>v. Arrange 225 balls to make a square formation. How many balls should be in each row?</p> <p>vi. Area of a circular field is 2464 sq.m. Find the circumference of the circle.</p> <p>vii. Area of square tile is 195 cm². Find the perimeter of tile, leaving your answer correct to 1 decimal point.</p> <p>viii. The Volume of cube is 2744 cm³.</p> <p>a) Find length of one side of the cube .</p> <p>b) Find the area of the one face of the cube.</p> |
| 8 | Simplification of algebraic expression in one variable | <p>1) $4 = 7b + 10$</p> <p>2) $9 = 8 - 3c$</p> <p>3) $11 = 2s - 5$</p> <p>4) $-4z + 11 = -12 - 7(z + 4)$</p> <p>5) $-w + 6 = 6 + 5(w + 5)$</p> <p>6) $-9x - 3 = -5 + 8(x - 4)$</p> <p>7) $6(b + 8) + 5 = 3b + 11$</p> <p>8) $-7 + (-7) = -7(a - 11)$</p> <p>9) $4(k + 12) + 4k = 12$</p> <p>10) $0 = 6(n - (-8))$</p> |
| 9 | Using formula to generate the sequence | <p>Write the sequence by using following formula:</p> <p>1) $a_n = 2n + 1$</p> <p>2) $a_n = 3n - 4$</p> <p>3) $a_n = 4(n + 1)$</p> |
| 10 | Find out the specified | Write next four terms of the |

| | | |
|--|------------------|----------------------------------------------------------------------------|
| | term of sequence | following sequences: a) 12,16,21,27 b) 3,8 ,13 ,18 c)-1,-3,-5,-7, |
|--|------------------|----------------------------------------------------------------------------|

VACATION PROJECT

Students have to complete one project to practice the practical application of knowledge. Following is the detail of project.

| Student Learning Objective | Project Details | Project Deliverables Details |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Recognize perfect square and perfect cube and write numbers in the form of Square and Square Roots, Cube and Cube Roots. | Students will make a Clock in which they will write number on the clock (1-12) in the form of square, square roots, cube and cube roots. Write numbers like 9 as 3^2 or 5 as $\sqrt{25}$ or 2 as $\sqrt[3]{8}$. | Students will make a clock by using cardboard, chart paper or glaze paper, and must submit on the first day after vacation. |
| i)Recognize Ungrouped and Grouped Data ii) Construct Frequency Table iii) Draw Bar Graph, Pie Chart ,Histogram iv) Calculate mean, median, mode | Students will collect ungrouped data of marks of Mathematics test in Bimonthly Exam of class: i)Construct Frequency Table ii) Draw Bar Graph iii) Draw Pie Chart iv)Draw Histogram iv)Calculate mean. Median, mode | Students will make a frequency distribution table on loose sheets. Draw bar graph, Pie chart, Histogram on graph paper. Calculate mean, median and mode on loose sheets. |



FEDERAL DIRECTORATE OF EDUCATION

Summer Vacation Task

Urdu-----Class-VIII

SESSION
2024-25



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فیڈرل ڈائریکٹوریٹ آف ایجوکیشن اسلام آباد
موسم گرما کی تعطیلات کا کام (اردو) برائے جماعت ہشتم
(2024)

سوال نمبر 1۔ مخطوطہ نویس۔

- ❖ دوست کے ہم خط لکھ کر اپنی عید کی تیاریوں کا احوال بیان کیجیے۔
- ❖ اخبار کے مدیر اعلیٰ کے نام خط لکھ کر متعلقہ ادارے کی توجہ اپنے سیکرے سے ملحقہ تقریبی پارکوں میں صفائی کے ناقص انتظام کی طرف مبذول کروائیے۔

سوال نمبر 2۔ مکالمہ نویس۔

- ❖ قومی سطح پر اتفاق و اتحاد کی اہمیت کے حوالے سے دو دوستوں کے مابین مکالمہ تحریر کیجیے۔

سوال نمبر 3۔ حقیقی کہانی۔

- ❖ انٹرنیٹ اور موبائل کے معنی استعمال کے نتیجے کی حامل ایک خود ساختہ کہانی تحریر کیجیے۔
- سوال نمبر 4۔ حکایات شیخ سعدی پر مبنی کتاب (گلستان) کا لغو مطالعہ کیجیے۔ ان میں سے کوئی سی دو حکایات منتخب کر کے خوش خط تحریر کیجیے۔ نیز تصوری وضاحت بھی کیجیے۔
- سوال نمبر 5۔ درج ذیل مزاح نگاروں اور مزاحیہ شاعروں کی تحریر کردہ کتابوں میں سے کوئی ایک اقتباس یا لہجہ منتخب کر کے پڑھیں اور خوش خط لکھیے۔
- ❖ پطرس بخاری، ابن انشا (نثر نگار) سید ضمیر جعفری، سر فراز شاہد (مزاحیہ شاعر)

سوال نمبر 6۔ کلام اقبال میں سے جو انہوں سے متعلق پیغام پر مبنی ان کی ایک لہجہ کا انتخاب کر کے زبانی یاد کیجیے اور خوش خط لکھیے۔

سوال نمبر 7۔ درج ذیل محاورات کے معنی تحریر کیجیے نیز جملوں میں استعمال کیجیے۔ اپنی پسند سے مزید 20 محاورات کا انتخاب کر کے ان کے معنی اور جملوں میں استعمال کیجیے۔

| | | |
|---------------------|------------------------|------------------------|
| ناک پر کھینچنے دینا | سر آنکھوں پر بٹھانا | جان ہتھیلی پر رکھنا |
| آنکھ کا تار ہونا | دن رات ایک کرنا | رائی کا پیر بننا |
| تھالی کا بیٹھن ہونا | اپنے منہ میں مٹھو بننا | پکوں پر بٹھانا |
| تارے گننا | ہتھیلی پر سر سوں جمانا | پھولے نہ سنانا |
| آپے سے باہر ہونا | خون کے آنسو رونا | پاؤں تلے سے زمین ٹکانا |
| آڑے ہاتھوں لینا | آگ گولا ہونا | بال بال پینا |
| چلتی پر تیل ڈالنا | سورج کو چراغ دکھانا | |

سوال نمبر 8۔ اعراب لگائیے۔

| | | | | |
|---------|-------|-------|-------|-------|
| برگزیدہ | مشیات | مشتعل | قطار | صفت |
| خوابش | سیاح | مشترک | کشادہ | مہذب |
| کفایت | مقدم | تعصب | تلفظ | قتل |
| اخلاق | مرض | شعور | وضو | علاوہ |

سوال نمبر 9۔ درج ذیل عنوانات پر تقریباً تین سو (300) الفاظ پر مشتمل مضمون لکھیے۔

(1) ہمارے نبی ﷺ (2) والدین کا احترام (3) حب الوطنی (4) وقت کی پابندی (5) ورزش کے فائدے

سوال نمبر 10۔ "ہم زندہ قوم ہیں" کے عنوان سے تقریر تیار کیجیے اور ویڈیو بنا کر اپنی اردو لمچہ کو بھیجیے۔