

DAV PUBLIC SCHOOL BAGHPAT
HOLIDAY HOMEWORK SESSION (2024-2025)
JUNE SUMMER BREAK
CLASS X

विषय - हिंदी

अधिकतम अंक -50

1. स्पर्श के पाठ 1, 2, 8, 9 पढ़िए। शब्दार्थ, प्रश्न उत्तर, व्याख्या और आशय स्पष्टीकरण याद कीजिए। (10)
2. पाठ 9 और 10 पढ़िए तथा प्रत्येक पाठ से 10-10 प्रश्नों का निर्माण करो और उनके उत्तर भी लिखिए। (10)
3. कोई पांच लघु कथाएं लिखिए और यह भी बताइए कि उनसे हमें क्या शिक्षा मिलती है? (10)
4. आजकल आईपीएल T-20 मैच चल रहे हैं। फाइनल में पहुंचने वाली दोनों टीमों के बारे में बताते हुए फाइनल मैच का आंखों देखा वर्णन कीजिए। (10)
5. इंटरनेट ने हमें अनेक सुविधाएं दी हैं, साथ ही साइबर अपराध का आतंक भी दिया है। इस विषय पर लगभग 150 शब्दों में अनुच्छेद लिखिए। (10)

Sub – Social Science

MM -50

- * Revise the following chapters (20 Marks)

Geography - Ch-1

History. - Ch-1

Pol. Science.- Ch-1

Economics. - Ch-1& 2

- * Make a project of the following topics (10 Marks)

*Consumer Awareness Or

*Sustainable development

Or

*Social Issues

- * Prepare the map skills according to the CBSE syllabus (Topics). (10 Marks)

Note :- Map skills will be done in a scrap book .

- * Make a model of Soil profile and label the layers (given in geography Ch-1)(10 Marks)

Sub - MATHS

MM . 50

1. Write and learn 10 activities from maths lab manual. 10
2. Research about life and work of any one Indian Mathematician. 10
3. Make a working model depicting any mathematical concept. 10
4. Do 10 word problems from linear equations in one variable 20

1. Write and learn 5 experiments from lab manual in practical note book 10
2. Research about life and work of any one Indian scientist. 05
3. Prepare a working model (for science exhibition) 10
4. Draw ray diagrams showing image formation by concave and convex mirror (all cases) 10
5. Solve all the questions from question paper of board exam 2024 related to reflection of light. 15

SUBJECT BIOLOGY**MM:50**

- Q.1. What is life processes? Explain in detail.
- Q.2. What is nutrition? Describe different types of nutrition.
- Q.3. What is photosynthesis? Explain complete process.
- Q.4. Draw a diagram of T.S. of leaf. Explain its different parts.
- Q.5. Chlorophyll is required for photosynthesis. Explain this activity
- Q.6. CO₂ is required for photosynthesis. Explain this activity
- Q.7. What is heterotrophic mode of nutrition? Explain its different types.
- Q.8. How amoeba take their food ? Explain with the help of diagram.
- Q.9. What is dental decay? Mention reason behind decay.
- Q.10. Explain complete digestive system including alimentary canal and digestive glands in detail.

Subject-Chemistry**M.M. -50****Topic: Natural Acid-Base Indicators**

****Objective:**** Understand and demonstrate how natural substances can act as acid-base indicators.

****Instructions:****

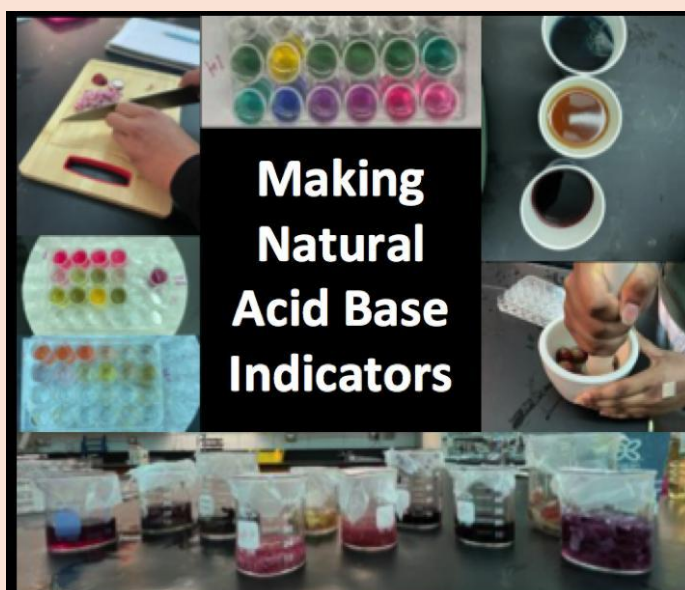
1. ****Choose Three Natural Substances:****

(Any three which is easily available to you)

- Select three natural substances that can act as acid-base indicators. Some examples include red cabbage, turmeric, beetroot, hibiscus, grape juice, and blueberry.

2. ****Conduct Experiments:****

- Test each chosen substance with an acid (e.g., vinegar or lemon juice) and a base (e.g., baking soda solution). Observe and note the color changes.



3. ****Document Your Findings:****

- Use A4-sized sheets to document your experiment. For each substance, include:
 - The name of the substance.
 - A brief description of how you prepared the indicator solution.
 - The original color of the indicator solution.
 - The color change observed when the indicator is added to an acid.
 - The color change observed when the indicator is added to a base.
- Attach photographs or printouts of the experiments as evidence. Ensure that each photograph is labeled clearly.

4. ****Organize Your Report:****

- Start with a title page that includes your name, class, and roll number.
- Include an introduction explaining what acid-base indicators are and why they are useful.
- Provide a separate section for each natural substance, detailing the steps and observations.
- Conclude with a summary of your findings and any interesting insights you gained from the experiments.

5. ****Presentation:****

- Ensure that your work is neat and well-organized.
- Use headings and subheadings to structure your document.
- You may use diagrams or charts if they help explain your observations better.

Example Layout:

1. ****Title Page****

- Title: Natural Acid-Base Indicators
- Student Name:
- Class: X
- Roll Number:

2. ****Introduction****

- Explanation of acid-base indicators.
- Importance and uses of natural indicators.

3. ****Experiment 1: Red Cabbage****

- ****Preparation:**** Describe how you prepared the red cabbage indicator.
- ****Original Color:**** Describe the original color.
- ****Acid Reaction:**** Describe and show the color change with an acid (include photos).
- ****Base Reaction:**** Describe and show the color change with a base (include photos).



4. ****Experiment 2: Turmeric****

- ****Preparation:**** Describe how you prepared the turmeric indicator.
- ****Original Color:**** Describe the original color.
- ****Acid Reaction:**** Describe and show the color change with an acid (include photos).
- ****Base Reaction:**** Describe and show the color change with a base (include photos).



5. ****Experiment 3: Beetroot****

- ****Preparation:**** Describe how you prepared the beetroot indicator.
- ****Original Color:**** Describe the original color.

- ****Acid Reaction:**** Describe and show the color change with an acid (include photos).

- ****Base Reaction:**** Describe and show the color change with a base (include photos).

6. ****Conclusion****

- Summarize your findings.
- Discuss any patterns or notable results.
- Reflect on what you learned from the experiments.



****Remember:**** Safety first! Handle all substances with care and ask for help from an adult if needed. Have fun with your experiments and enjoy discovering the wonders of natural chemistry!

****Note to Parents/Guardians:**** Please supervise your child while conducting these experiments to ensure safety.

English

MM:50

1] Do Reading section, Writing section and Grammar section of last five years Sample Question Papers (2019, 2020, 2021 2022, 2023) issued by CBSE of English Language and Literature in your English Grammar Notebook.

FIRST FLIGHT:

2) Recreate the story 'A Letter to God' in your own words keeping yourself at the place of Lencho. You can take the liberty to mould the story according to you rather copying from the same text. (150 words) (to be done in Literature notebook/register)

3) What is an autobiography? Study the autobiography of Mr Nelson Mandela and write the prominent features of his autobiography and do write the lesson we can learn from it (100 words). (to be done on any sheet(s) available at home) **APPLIED GRAMMAR:**

4) SUBJECT ENRICHMENT ACTIVITY (SPEAKING SKILL):

Prepare any one topic from the following for

1) Importance of sports and games

2) Pleasures of mountaineering

3) Modern fashion

4) Inside an examination hall

speaking skill. (Time limit 2 to 3 minutes)

6) Generation gap

7] Variety is the spice of life

8) Cowards die many a time before their death

9) Adversity brings out the best in man

ENGLISH

Prepare a newsletter on the theme 'India takes on G20'

Cover interesting news on the events of G20. Your newsletter should feature the following.

1. Write an editorial giving overview on G20

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2. Write a report on how awareness was spread in your school on G20.

Reading suggestions -

. The Alchemist by Paulo Coelho

ii. The Twilight Saga by Stephenie Meyer.

iii. Around the world in 80 days

iv. Three men in a boat

Read any one of the above books and write review on it.