

D.A.V. CENTENARY PUBLIC SCHOOL

SECTOR-6, BAHADURGARH

Session (2026-27) Class- X



“A vacation helps to relieve stress and boredom, gives us a change of scenery, provides us with adventure, and helps to bring us closer to the people in our lives.”

By :- E. S. Woods

Dear Students,

Warm Wishes!

We pray and wish the best of health and cheerful times to you. Vacations is a time that we all eagerly wait for. We all make plans to enjoy, to relax and to empower ourselves during these days. This summer vacation the holiday homework is designed for you all to achieve the motto of " Fun and Learn".

The activity based assignments will foster curiosity, develop creativity and instill the joy of learning among you all. So, make sure you extract the maximum benefit out of these holidays.

Summer Tips:

- ❖ **Start your day with gratitude and prayers.**
- ❖ **Exercise daily and practice meditation.**
- ❖ **Assist your mother in household chores.**
- ❖ **Pledge for "Eat Right"- Less Sugar, Less Oil and Less Salt**
- ❖ **Wash hands frequently, especially before and after meals**
- ❖ **Read newspaper daily and stay updated with current affairs.**
- ❖ **Water the plants and rejoice the beauty of nature**

ENGLISH

Q1) Literature:

*Read Ch 1-4 (First Flight) and Write 5 question answers per chapter.

*Read Ch 1-4 (Footprints without feet) and Write 5 question answers per chapter.
(This work must be done in the assignment notebook)

*Write and learn 30 Antonyms & Synonyms (words may be taken from the textbook chapters). (In assignment notebook)

***Learning: Learn and revise the syllabus done till date.**

Q2) Writing: Letter writing

a) You are a student of Mahaan University, Indore. The university is not providing proper curriculum and guidance to the students because of which students are unable to learn. Write a letter to the editor of a student magazine, Yuva Chetna to highlight this issue.

b) You are Geetu a resident of Giani Nagar, Amritsar. You have just shifted to this new city and require a few furniture items and kitchen appliances for your house. Write a letter of order to Home and More, Mall road, Amritsar placing an order for the same.

c) You are Piyush / Piyushi r/o 223, Alok residency, Kanpur. You want to go on a Bharat darshan trip. Write a letter of inquiry to Sea n more travel n tours for details on trip cost, inclusions, stay details, meal details, sight seeing details, etc.

(Do the letters in assignment notebook)

Q3) BBC Practice: Reading:

*Practice unseen passage 1-10 in BBC compacta.

*Practice editing(error correction) exercises in grammar module.

Q4) Prepare mind maps of - * chapters 1-4 (Footprints without Feet) on A 4 size sheets.

*chapters 1-4 (First Flight) on A 4 size sheets.

***Vocabulary Builder:** Create a mini-dictionary of 20 new words in alphabetical order with definitions and usage.

*PORTFOLIO:

PREPARE A PERSONAL PORTFOLIO WITH THE FOLLOWING –

Introducing Myself:

My Strengths:

I Need to Improve On...:

My Achievements:

I Have Participated In...:

Books I Have Read:

The Book I Wish to Read:

- Prepare a file with A4 size sheets

(Note: The work must be presentable and done in a neat ,clean and arranged way as per the guidelines)

HINDI

प्रश्न1. ' नेताजी का चश्मा' और ' बालगोबिन भगत' पाठ में से 10 अतिरिक्त प्रश्नों (30- 40शब्दों में) का निर्माण कीजिए।

प्रश्न 2.' सूरदास के पद' और ' राम लक्ष्मण परशुराम संवाद ' काव्य पढ़कर उसमें से 10 अतिरिक्त प्रश्नों (30- 40शब्दों में) का निर्माण कीजिए।

प्रश्न3. मेरे आदर्श क्रांतिकारी” मिनी म्यूज़ियम बनाइए।(अनुक्रमांक 1 से 24तक)

विद्यार्थी जूते के डिब्बे (Shoebox) या गते की सहायता से एक छोटा “मिनी म्यूज़ियम” तैयार करें, जिसमें निम्नलिखित चीजें शामिल हों –

- अपने पसंदीदा क्रांतिकारी नेता का चित्र / स्केच
- उनके जीवन की 3 महत्वपूर्ण घटनाएँ
- उनका एक प्रसिद्ध कथन
- उनसे संबंधित कोई प्रतीकात्मक वस्तु हाथ से बनाकर लगाएँ

(जैसे – टोपी, चश्मा, लाठी, झंडा आदि)

उदाहरण:

भगत सिंह, महात्मा गांधी, सुभाष चंद्र बोस आदि।

प्रश्न4. ‘बालगोबिन भगत’ पाठ के अनुसार किसी भी पाँच वाद्य यंत्रों का फिलपबुक / स्क्रेपबुक बनाइए। (अनुक्रमांक 25 से 50 तक)

नोट: फिलपबुक और स्क्रेपबुक लगभग समान होते हैं। विद्यार्थी रंगीन शीट या कॉपी की सहायता से छोटा स्क्रेपबुक तैयार कर सकते हैं।

प्रत्येक पेज में निम्नलिखित जानकारी अवश्य लिखें –

- वाद्य यंत्र का नाम, ● उसका चित्र / ड्राइंग, ● उसकी ध्वनि का प्रकार, ● वह कहाँ या किस अवसर पर प्रयोग किया जाता है

उदाहरण: ढोलक, तबला, बांसुरी, हारमोनियम, सितार आदि।

प्रश्न 5. “अलंकार वृक्ष”

चार्ट पर पेड़ बनाकर उसकी शाखाओं में विभिन्न अलंकारों के नाम व उदाहरण लिखें।

(अनुक्रमांक 1 से 24 तक)

प्रश्न 6. विद्यार्थी एक घूमने वाला पेपर व्हील तैयार करें, जिसमें विभिन्न पदों के नाम तथा उनके उदाहरण लिखें हों।

व्हील को अलग-अलग भागों में बाँटकर उनमें संज्ञा, सर्वनाम, विशेषण, क्रिया आदि पदों के नाम लिखें तथा प्रत्येक के साथ एक उपयुक्त उदाहरण भी दें।

रंगों और चित्रों की सहायता से इसे आकर्षक बनाइए।

(अनुक्रमांक 25 से 50 तक)

प्रश्न 7. निम्नलिखित विषयों पर लगभग 120 शब्दों में अनुच्छेद लिखिए ।

1. नशा मुक्ति अभियान
2. AI का बढ़ता उपयोग
3. पर्यावरण संरक्षण हमारा कर्तव्य

प्रश्न 8. निम्नलिखित विषयों पर पत्र लिखिए -

- i) अपने विद्यालय के प्रधानाचार्य को पत्र लिखिए जिसमें विद्यालय परिसर में ध्वनि-प्रदूषण रोकने हेतु उचित उपाय करने का अनुरोध किया गया हो।
- ii) अपने पिताजी को पत्र लिखिए जिसमें अपनी पढ़ाई की प्रगति, परीक्षा की तैयारी और ग्रीष्मकालीन अवकाश की गतिविधियों का विस्तृत विवरण दिया गया हो।

प्रश्न 9 पोर्टफोलियो तैयार कीजिए।

नोट:- अभी तक करवाए गए पाठ्यक्रम को याद कीजिए।

MATHS

Solve the following system of equations (Q. No .1 to 4)

1. $23x - 29y = 98$, $29x - 23y = 110$, also find $2x + y$
2. $\frac{x}{2} + \frac{1}{y} = 5$, $\frac{x}{4} - \frac{2}{y} = -5$, also find $x - y$
3. $\frac{x}{a} + \frac{y}{b} = a+b$, $\frac{x}{a^2} + \frac{y}{b^2} = 2$
4. $2(x + 1) - 3(y - 2) = 4$, $3x - 2x + 3y - 8 = 10$
5. Find the value of $\sin A$ and $\tan A$ in a $\triangle HOT$, if $HO = OP = 13$ cm and $HP = 10$ cm, if $\angle OHP = A$.
6. If $\operatorname{Cosec} A + \cot A = p$ and $\operatorname{Cosec} A - \cot A = q$, then find the value of $(p \times q)$.
7. If $\tan A = 1$ and $\sin B = \frac{1}{\sqrt{2}}$, then find the value of $\cos (A + B)$, $\operatorname{Cosec} (A - B)$.
8. If $\sin A + \cos A = \sqrt{2} \cos A$. Find $\cot A + \tan A$.
9. If $\sin A + \cos A = p$, $\sec A + \operatorname{Cosec} A = q$, then show $q(p^2 - 1) = 2p$.
10. Roots of the polynomial $x^2 + 25x + 156$ will be ----- (both positive , both negative , One positive & one negative) .
11. If roots of the polynomial $ax^2 + bx + c$ are equal , then a and c both will have ---sign (same , opposite)
12. Find the distance covered by a minute hand and an hour hand of a clock in 1 day , if the length of the minute hand is 10 cm and length of the hour hand is 7 cm .

13. $\sin x + \cos y = 1$, if $x = 30^\circ$, find $\sin y$.
14. Find the value of : $\operatorname{Cosec}^2x - \cot^2x + \tan^2x - \sec^2x$.
15. The perimeter of the park with diameter 42m ,in the shape of a sector is 128 m .Find how much area is available for a gardner to grow the grass ,if a segment in the corresponding sector is used to grow flo

SCIENCE

Physics and Chemistry

- Make working models out of the following topics:
 - I. Robotics and Automation
 - II. Space Exploration
 - III. Electric and Magnetism
 - IV. Medical Imaging Technology
 - V. Renewable Energy Technology
- Practice all the ray diagrams of lens and mirrors.
- Practice 20 numericals based on mirror and lens formula.
- Research and Report: Choose a natural phenomenon involving reflection or refraction of light (e.g., rainbow formation, mirages) and create a detailed report including its scientific explanation, real-life applications, and any interesting facts.
- Do NCERT Exemplar questions of Ch1. Chemical Reactions and Equations, Ch9. Light: Reflection and Refraction.
 - <https://cbseacademic.nic.in/index.html#> follow this link and solve questions of Ch1 and Ch9 from sample papers and previous year question papers.(last 5 years)
- Revise whole syllabus completed till date.

Note: Students are also free to choose their own topics for working models but it should be discussed before. Model should be in groups.

Biology HHW

- 1 Make a working model of digestive system , respiratory system , excretory system , circulatory system (make any one of them)
- 2 Solve previous year questions from the chapter Life Processes and Control and Coordination in your notebook of holiday homework. (At least 20)
3. Create beautiful foldables of the chapter life process and control coordination in a creative manner
- 4 Make important diagrams from the previously asked question papers of the chapter life process, control, and coordination

- 5 Make creative puzzles or any game in a scientific manner from the topic of biology.
6. Bring one medicinal plant and write down their medicinal uses on the chart paper

SOCIAL SCIENCE

A) Do the given questions in holiday homework notebook:

Section A – Very Short Answer Questions (2 Marks Each)

- 1) Define the term power sharing. Mention any one form of power sharing.
- 2) What is meant by a federal system? Write any one feature of federalism.
- 3) Differentiate between renewable and non-renewable resources with one example each.
- 4) What is the main criterion used by the World Bank to classify countries?
- 5) Why is sustainable development important? Give any two reasons.

Section B – Short Answer Questions (3 Marks Each)

- 1) Explain any three forms of power sharing in modern democracies.
- 2) Describe any three key features of federalism in India.
- 3) Explain any three measures to conserve resources.

Section C – Long Answer Questions (5 Marks Each)

- 1) "Power sharing is the spirit of democracy." Justify the statement with five arguments.
- 2) Explain the different indicators used to compare development among countries.

Section D – Case-Based Questions

Case Study 1: Power Sharing (5 Marks)

- 1) Read the passage carefully and answer the questions that follow:

Belgium is a small country in Europe with a diverse population. It has Dutch-speaking, French-speaking and German-speaking communities. To avoid conflicts among communities, Belgium adopted a system of accommodation where power was shared among different groups. Leaders amended the constitution several times so that all communities could live together peacefully.

Questions:

- a) Name the different communities living in Belgium. (1 Mark)
- b) Why did Belgium adopt the policy of accommodation? (2 Marks)
- c) Mention any two features of the Belgian model of power sharing. (2 Marks)

Case Study 2: Resources and Development (5 Marks)

- 2) Read the passage carefully and answer the questions that follow:

Resources are vital for human survival and economic development. However, irrational consumption and over-utilisation of resources may lead to environmental problems. Resource planning is essential for sustainable development and conservation of resources for future generations.

Questions:

- a) Why are resources important? (1 Mark)

- b) What is meant by resource planning? (2 Marks)
c) Suggest any two ways to conserve resources. (2 Marks)

B) Make a project on the topics given below on a project file containing 15 to 20 pages:

Consumer Rights OR Sustainable Development OR Social Evils

INFORMATION TECHNOLOGY

- Write all the Questions/Answers in a separate new notebook
- Q 1. Stress is identified as a condition in which a person is
- A) tensed B) worried C) relaxed D) both (A) and (B)
- Q 2. What plays a major role in reaction to stress
- A) Emotions B) Personality C) Confidence D) None of these
- Q 3. The feeling of self-awareness enhances our.....
- A) Self-confidence B) Self-monitoring C) Self-Regulation D) All of the above
- Q 4. What is 'M' in the 'SMART' goal setting method
- A) Must B) Meaning C) Measurable D) None of these
- Q 5. What is 'S' in the 'SMART' method of goal setting?
- A) Smart B) Special C) Speed D) Specific
- Q 6. Self-Reliance means _____
- A) Ability to Work Independently B) Complete the task effectively
- C) Both of the above D) None of the above
- Q 7. Impact of stress depends on _____.
- A) Age and health B) Profession C) Living conditions D) All of these
- Q 8. helps to manage stress?
- A) Recreational activities like watching movies etc
- B) Going On Vacations with Family and Friends
- C) Taking Nature Walks D) All of the above
- Q 9. Term 1 exam is approaching. Rahul is feeling unprepared. This situation causes
- A) confidence B) stress C) positivity D) strong beliefs
- Q10. Which of the following makes a person complete work or studies without others cheering him?
- A) Self-confidence B) Communication C) Self-motivation D) Self-esteem
- Q 11. Staying with the current situation with new updated information and preparing yourself for
- the new challenge is called _____.
- A) Responsibility B) Adaptability C) Time management D) Self-awareness
- Q 12. He likes, dislikes, beliefs, values, and background are considered
- A) knowing oneself B) knowing others C) knowing the peers D) knowing the relative

Answer the following questions

- Q 13. In SMART goals, what does 'S' stand for? Explain.
- Q 14. What is Goal Setting?

- Q 15. What is time management, and how can you manage your time?
- Q 16. How can tracking your time help you?
- Q 17. List any 5 stress management techniques and elaborate on why you find them the most effective.
- Q 18. What are Styles? What are the advantages of using styles?
- Q 19. Explain any four Graphic filters.
- Q 20. What is the difference between styles and templates?
- Q 21. Explain the Table of Contents. Write any 2 advantages of it. Write the steps for it.
- Q 22. What do you understand by the terms: a. Text Wrapping, b. Anchoring
- Q 23. Explain Feedback. Why is it required? Write all 7 C's for effective communication.
- Q 24. Explain any 3 barriers to effective communication.
- Q 25. Write the shortcut keys of :
- a. Open Style window
 - b. Save template
 - c. Drag and drop an image as a link
 - d. Write the extension of the template
- Q 26. Prepare a schedule of all 30 holidays representing your time management skills. (Do it on
Either A3-size sheet or an A4-size sheet in a presentable form.)

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