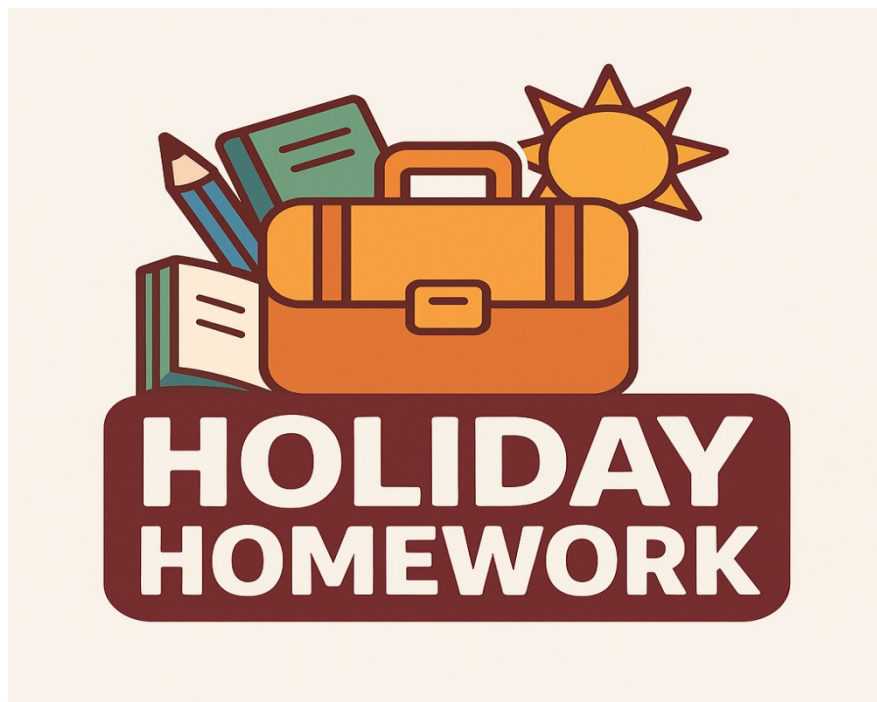


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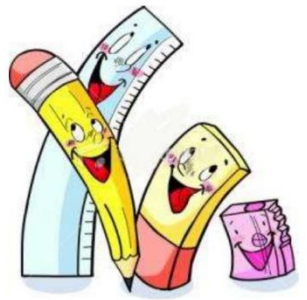
SESSION:- 2025-26



CLASS:- 11th

Dear Students

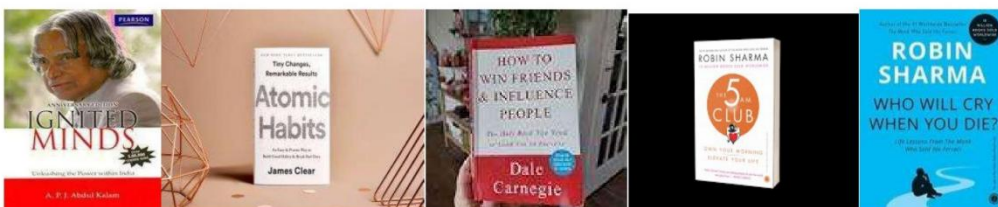
Summer vacations are synonymous with fun, frolic, getting up late in the morning, going for picnics, spending time with friends, exploring new places, and watching fun filled shows on television.



But there is lot more you can do to make your vacations more meaningful, interesting, and fun while still doing your favourite activities.

Here are some suggestions you may like:

- Go out for morning walk and spend time to observe nature.
- Watch your mom working in the kitchen and help her keep the house clean.
- Visit your grandparents, spend time with them.
- Teach them to operate some useful applications in mobile phones.
- Plant a sapling and watch it grow.
- Play any sport with your parents which they played during their school days.
- Devote some time for reading during the summer break. Some suggested books:



Summer vacation is the time when you can be more candid and creative. The Holiday assignments are focused to let the creative and latent talents, skills and desires of the children come to the surface in a joyful and experiential manner. So dear children, Get... Set... Go... Enjoy doing the activities and ensure timely completion of the given assignments.

Holiday Homework. (2025-26)

English (core)

1. Sketch the character of the grandmother. Make it presentable with the help of related pictures.
2. Human life is short lived in contrast to nature. Comment on the statement in the light of the poem ' The Photograph '.
3. You are the general manager of a leading industrial concern. You need a chartered Accountant for your office. Draft an advertisement in notebook more than 50 words to be published in 'The Times of India '.
4. You are a member of the Social Awareness Team of your School and you have to participate in an awareness drive regarding the importance of water. Prepare a poster highlighting the importance and ways of rain water harvesting that can be implemented by the residents of the area.
5. Write a story review of the ch. ' The Summer of the Beautiful White Horse ' in 200 words: Begin with the main character Mourad
Then write how did you like the story and why?
Explain which part of the story you liked the most and why?
Then mention which character is your favourite in it and why ?
And then conclusion
6. Read any one of the following novels:
A. Middlemarch ___ George Eliot
B. Far From the Madding Crowd ___ Thomas Hardy
C. Tale of Two Cities ___ Charles Dickens
7. You are Sumit. You came across a group of children who were trying to imitate the stunts of cartoon characters and even their hero. They pounced, they boxed in a mindless manner . Write an article on the issue of growing violence in children by watching tv indiscriminately and imitating their heroes thoughtlessly.
8. Read the newspaper daily and collect one good article each related to the elderly adventure, problems faced due to construction activities in Delhi - NCR , environmental hazards and paste them in your notebook.
9. Write an article on the topic ' What if there is no money in the world.
10. Revise whole syllabus done till date

Note:

Do holidays Home -Work in a separate notebook

हिंदी

- 1- 'बढ़ती आबादी और सिमटते साधन' पर रचनात्मक लेखन कीजिए। (120 शब्दों में)
- 2- आरोह पाठ- 1, 2, 3 का अध्ययन करें और प्रश्नोत्तर याद करें।
- 3- आरोह (पद्म खंड) 'कबीर के पद' का अध्ययन करें, कठिन शब्दार्थ और प्रत्येक पंक्ति का भावार्थ लिखें।
- 4- वितान- पाठ-1 'भारतीय गायिकाओं में बेजोड़ लता मंगेशकर' के कठिन शब्दार्थ बँटें, कहानी के मुख्य बिंदु लिखें।

5 → परियोजना कार्य:

- *जनसंचार के माध्यम
- *जनसंचार के माध्यम कौन-कौन से हैं
- *जनसंचार माध्यम की खूबियां
- *जनसंचार माध्यम की खामियां

नोट: परियोजना कार्य ए-4 साईज शीट पर करना है तथा पृष्ठों को फाइल में लगाकर दें। अन्य कार्य अपनी उत्तर पुस्तिका में करें।

MATHEMATICS

Chapter 1: Sets (25 MCQs)

1. The empty set is a

- A) Infinite set
- B) Finite set
- C) Universal set
- D) None of these

2. $|P(\{1,2,3\})| =$

- A) 4
- B) 8
- C) 6
- D) 9

3. If $|A| = n$, then $|P(A)| =$

- A) n
- B) $2n$
- C) 2^n
- D) n^2

4. Which is not a well-defined set?

- A) $\{x: x < 200\}$
- B) Boys in class
- C) Talented Hollywood actors
- D) Solutions of $x^2 = 4$

5. Interval $(a, b]$ means

- A) $a \leq x < b$
- B) $a < x \leq b$
- C) $a \leq x \leq b$
- D) $a < x < b$

6. $\{1,2,3\} = \{3,2,1\}$?

- A) Yes
- B) No

7. If A has 4 elements, subsets =

- A) 4
- B) 8
- C) 16
- D) 32

8. Cartesian product of two 3- element sets:

- A) 6
- B) 9
- C) 12
- D) 18

9. If $A \cap B = A$, then $A \subseteq B$?

- A) Yes
- B) No

10. If $A \cup B = B$, then

- A) $A \subseteq B$
- B) $B \subseteq A$
- C) $A = B$
- D) None

11. Complement of universal set is

- A) Empty set
- B) Universal set
- C) Itself
- D) Undefined

12. $\emptyset \cap A =$

- A) \emptyset
- B) A
- C) U
- D) Undefined

13. $\emptyset \cup A =$

- A) \emptyset
- B) A
- C) U
- D) None

14. If $A \subset B$ and $B \subset C$, then $A \subset C$

15. Power set of \emptyset has how many elements?

- A) 0
- B) 1
- C) 2
- D) Undefined

16. $\{x: x \text{ is a vowel}\}$ is a

- A) Finite set
- B) Infinite set
- C) Empty set
- D) None

17. $\{x: x \text{ is an even prime}\} =$

- A) $\{2\}$
- B) \emptyset
- C) $\{2, 3\}$
- D) $\{0\}$

18. Universal set $U = \{1, 2, 3\}$, $A = \{2, 3\}$, then $A' =$

- A) $\{1\}$
- B) $\{2\}$
- C) $\{1, 4\}$
- D) \emptyset

19. If $A = \{1, 2\}$, $B = \{2, 3\}$, then $A \cup B =$

- A) $\{1, 2\}$
- B) $\{2, 3\}$

C) $\{1,2,3\}$

D) None

20. $A - A =$

A) A

B) \emptyset

C) U

D) None

21. $A - \emptyset =$

A) \emptyset

B) A

C) U

D) None

22. For any A , $A \cap A =$

A) A

B) \emptyset

C) U

D) None

23. Symmetric difference $A \Delta A =$

A) A

B) \emptyset

C) U

D) None

24. $(A \cup B)' =$

A) $A' \cup B'$

B) $A' \cap B'$

C) $A \cap B'$

D) None

25. $(A \cap B)' =$

- A) $A' \cup B'$
 - B) $A' \cap B'$
 - C) $A \cup B'$
 - D) None
-

÷ Chapter 5: Complex Numbers & Quadratic Equations (25 MCQs)

1. $i =$

- A) $\sqrt{-1}$
- B) -1
- C) 1
- D) 0

2. $i^2 =$

- A) -1
- B) 1
- C) i
- D) 0

3. Conjugate of $3+4i$ is

- A) $3-4i$
- B) $-3-4i$
- C) $4-3i$
- D) None

4. $|3+4i| =$

- A) 5
- B) 7
- C) $\sqrt{7}$
- D) 1

5. $(3+4i) + (5-2i) =$

- A) $8+2i$
- B) $2+2i$
- C) $8-6i$
- D) None

6. $(2+3i) - (1-4i) =$

- A) $1+7i$
- B) $3-i$
- C) $1-i$
- D) None

7. $i^7 =$

- A) i
- B) $-i$
- C) 1
- D) -1

8. $i^{241} =$

- A) 1
- B) -1
- C) i
- D) $-i$

9. $1 + i^2 + i^4 + \dots + i^{2n} =$

- A) 0
- B) cannot be determined
- C) 1
- D) -1

10. If $a+ib = c+id$, then:

- A) $a = c$ and $b = d$
- B) $a^2 + b^2 = c^2 + d^2$
- C) $a/c = b/d$

D) None

11. $1/z$ is the

- A) Additive inverse
- B) Multiplicative inverse
- C) Additive identity
- D) Multiplicative identity

12. $z_1=2+3i$, $z_2=5+2i$; $z_1 - z_2 =$

- A) $-3 + i$
- B) $3 - i$
- C) $7 + 5i$
- D) None

13. $z_1 \cdot z_2$ for $1+2i$ and $2+3i =$

- A) $4+7i$
- B) $-4 + 7i$
- C) $-4 - 7i$
- D) $4 - 7i$

14. $i^{(-35)} =$

- A) 1
- B) i
- C) $-i$
- D) -1

15. Multiplicative inverse of $3+5i =$

- A) $(3+5i)/34$
- B) $(3-5i)/34$
- C) $(5+3i)/34$
- D) $(5-3i)/34$

16. $\text{Arg}(-1 + i) =$

- A) $\pi/4$
- B) $3\pi/4$

- C) $-\pi/4$
- D) None

17. Polar form of $1 + i$:

- A) $\sqrt{2}(\cos \pi/4 + i \sin \pi/4)$
- B) $2(\cos \pi/4 + i \sin \pi/4)$
- C) $\sqrt{2}(\cos \pi/2 + i \sin \pi/2)$
- D) None

18. $|\sqrt{2}i - (-\sqrt{2}i)| =$

- A) 0
- B) $2\sqrt{2}$
- C) 2
- D) $\sqrt{2}$

19. Equation $|z + 1 - i| = |z - 1 + i|$ represents a

- A) Straight line
- B) Circle
- C) Parabola
- D) Hyperbola

20. Number of solutions of $z^2 + |z|^2 = 0 =$

- A) 1
- B) 2
- C) 3
- D) Infinitely many

21. If $z = 2 - 3i$, then $z^2 - 4z + 13 =$

- A) 1
- B) -1
- C) 0
- D) None

22. $(1 - i)^4 =$

- A) 4

B) -4

C) 4i

D) -4i

23. If $\left(\frac{1-i}{1+i} \right)^{100} = a + ib$, then $a =$

A) 1

B) 2

C) 0

D) -1

24. $f(z) = z^4 + 9z^3 + 35z^2 - z + 4$; $f(-5 + 2i) =$

A) -160

B) 160

C) 610

D) 106

If $\text{Im}(z) = 0$ and $z \neq 0$, then $\text{Re}(z^2) = 0$ is

A) Always true

B) Always false

C) Sometimes

D) None

Biology

- Make a chart on endocrine hormone and gland.
- Revise ch - 1, 2, 3, 4 & 5
- Make a project on a given topic.

Topic -> Comparative anatomy of Heart in different organism.

Solve the MCQs and Short a/Any of ch-s" in your notebook from ncert exemplar Make a portfolio on " Pollution effect on Human being" from serial no 1 to 10 Learn ch-1 and Plant tissue.

Accountancy

Solve all the illustrations and practical questions of Accounting Equation and Journal Entry.

PAT

Write and learn topics of !.

chapter- 2 Self Management

Chapter-4. Entrepreneurship

Find out and write about the following topics:-

1. Environment & sustainable development.
2. Self Management
3. Entrepreneurship

Physics

- Make a working model on “Newton’s Law of Motions”.
- Solve Questions of Chapter-1,2 of NCERT in your Notebook.
- Revise chapter- 1 & 2.

History

- Prepare a project on the topic “The NOMADIC EMPIRE”
- Complete your N/B of ch. 1.,2,3,4
- **Question/Answer & notes.**
- Learn ch. 1,2,3,4 complete.
- Locate the different countries on the world map.

Chemistry

1. Do ncert questions in notebook of chapter 1 and Make notes of chapter 2.
2. Make a project on topic- Study of the methods of purification of water/ Analysis of fruit and vegetable juices for their acidity.
- **Make a portfolio on topic Complex Number**
- **Assignment worksheet**

Political Science

1. **Learn** all the chapters completed so far.
2. **Write** 30 MCQs or one-word answer type questions from **each completed chapter** in a separate notebook.
3. **Prepare a project** on the topic: **Making of the Constitution or Elections in India**

Submit the homework on time and revise regularly. Enjoy your holidays productively!

Business studies

3. Make an assignment on Make in India
4. Revise Ch - 1 to 3

Economics

- 1) Revise Ch - 1 to 5 (Micro Economics)