

असतो मा सद्गमय, तमसो मा ज्योतिर्गमय ।।



NEW INDIA SENIOR SECONDARY SCHOOL
SECTOR-15, PANCHKULA

Affiliated to CBSE
www.newindiapanchkula.in

WINTER BREAK

ASSIGNMENT

DECEMBER 31, 2024 TO JANUARY 15, 2025
THE SCHOOL REOPENS ON JANUARY 16, 2025.



CLASS-VII

Dear Parents

- Vacations are welcome break.....Break from schedules, rules and regulations of the school. Freedom brings more responsibility, so keeping this in mind, we have planned most of the activities to keep our children engaged and also help them in channelizing their energy. Kindly help and guide your child in completing his/her work and also exploring his/her creative self.

Important Note:

- These projects and assignments **will be assessed as a Subject Enrichment Activity and added to your Portfolio.**
- Please submit the Projects, Models and Assignments to your **Class Teacher on January 16, 2025.**
- Do the given homework in your respective subject notebooks.

HAPPY HOLIDAYS !

ENGLISH

Q.1 Explore and prepare each of the following topics for ASL(200 words):

1. How technology is changing the way we learn?
2. The benefits of a healthy lifestyle.
3. How books can spark our imagination?
4. Importance of teamwork in sports and studies.

Q.2 Convert the following dialogues into Indirect Speech:

- (i) Rohan: "What are your plans for the weekend?"
Meera: "I am going to visit my grandparents."
- (ii) Teacher: "You should revise your notes daily."
Student: "I will, ma'am."
- (iii) Amit: "Do you need any help with your homework?"
Ravi: "Yes, please explain this math problem to me."
- (iv) Priya: "I have been selected for the school debate team!"
Ananya: "Congratulations! I knew you could do it."
- (v) Stranger: "Can you tell me the way to the library?"
Local: "Go straight and take the second left."

Q.3 Find out verb error and correct it in the following sentences :

- (i) The group of players are practicing hard.

Error	Correction

- (ii) The books on the shelf needs to be arranged.

Error	Correction

- (iii) Everyone in the class know the answer.

Error	Correction

- (iv) The team have decided to postpone the match.

Error	Correction

- (v) Neither of the options are suitable.

Error	Correction

Q.4 The following sentences have not been edited. Identify the incorrect word and write the correct word:

- (i) She walk to the market every day.
- (ii) The children was playing in the park
- (iii) My friends enjoys reading mystery novels.
- (iv) He don't know the answer to this question.
- (v) There is two apples on the table.

हिंदी

(क) दिए गए विषयों पर अनुच्छेद लिखिए और वाचन कौशल (ASL) के लिए याद कीजिये (200 words):

- मेरे जीवन का लक्ष्य
- पुस्तकों का महत्व
- प्रथम सुख निरोगी काया
- समाचार पत्रों का महत्व

(ख) समास के आधार पर प्रश्नों के उत्तर लिखिए:

(i) दो या दो से अधिक शब्दों के मेल से नए शब्द बनाने की क्रिया को क्या कहते हैं?

(ii) तत्पुरुष समास के समस्तपद में कौन-से चिह्न का लोप(लुप्त) हो जाता है?

(iii) द्विगु समास की पहचान कैसे होती है?

(जिस समस्तपद का पहला पद अवयव हो तथा वही प्रधान हो, उसे क्या कहते हैं?)

(iv) समस्तपद के अनुसार कौन-से समास में पूर्वपद और उत्तरपद मिलकर अपने अर्थ में किसी अन्य की ओर संकेत करते हैं? वह कौन-सा समास है?

(v) 'लव-कुश' / 'लव और कुश' शब्द कौन-से समास के उदाहरण हैं? क्या ये दोनों एक ही समास के समस्तपद हैं- स्पष्ट कीजिए।

(ग) वाच्य के आधार पर प्रश्नों के उत्तर में वाच्य का नाम लिखिए:

(i) मनीष से खाना खाया गया। _____

(ii) पत्र डाल दिया गया है। _____

(iii) लड़कियों से अब दौड़ा नहीं जाता। _____

(iv) मुझसे चला नहीं जाता। _____

(v) माता जी भोजन बना रही हैं। _____

(vi) कल मेरे विद्यालय में वार्षिकोत्सव मनाया गया। _____

(घ) अव्यय के आधार पर प्रश्नों के उत्तर लिखिए:

(i) अव्यय के कितने भेद हैं? उनके नाम भी लिखिए।

(ii) क्रियाविशेषण के कितने भेद हैं?

(iii) क्रियाविशेषण के भेद की पहचान कैसे होती है। उदाहरण के लिए चिह्न सहित भेद के नाम लिखिए।

(iv) जिन शब्दों के रूप में काल, लिंग, वचन के बदलने पर कोई परिवर्तन नहीं होता, उन्हें क्या कहते हैं?

(v) संबंधबोधक वाक्य की पहचान कैसे होती है?

(vi) वे अव्यय शब्द जो दो या दो से अधिक शब्दों या वाक्यों को जोड़ते हैं, उन्हें क्या कहते हैं?

(vii) आश्चर्य, हर्ष, शोक, विस्मय, ग्लानि, लज्जा आदि भावों को प्रकट करने वाले अव्यय शब्द क्या कहलाते हैं।

(ङ) विराम चिह्न के आधार पर प्रश्नों के उत्तर लिखिए:

(i) विराम चिह्न संख्या में कितने हैं नाम लिखकर चिह्न सहित वाक्य भी बनाइए।

(च) मुहावरों के आधार पर प्रश्नों के उत्तर लिखिए:

(i) किन्हीं आठ मुहावरों का उपयोग कर छोटी-सी कहानी (लगभग 50-60 शब्दों में) लिखिए।

(छ) दिए गए विषयों पर लगभग 80 शब्दों में पत्र लिखिए:

(i) अपने बड़े भाई के विवाह में सम्मिलित होने के लिए मित्र को निमंत्रण पत्र लिखिए।

(ii) आपके क्षेत्र में अनुचित पार्किंग के कारण होने वाली असुविधा के लिए पुलिस प्रशासन को पत्र लिखिए।

MATHEMATICS

Q.1 How many rational number(s) lie between any two rational numbers?

- (a) Two (b) Three (c) Ten (d) Infinite

Q.2 The circumference of the circle of radius 14 cm is:

- (a) 88 cm (b) 77 cm (c) 66 cm (d) none of these

Q.3 What is the co-efficient of x in the expression $3x^2 - 2x + 4$?

- (a) 3 (b) -2 (c) 4 (d) 0

Q.4 The value of expression $5x - 2$ when $x = -2$ is ?

- (a) -10 (b) -11 (c) -12 (d) none of these

Q.5 The value of 2^8 is:

- (a) 64 (b) 128 (c) 256 (d) 512

Q.6 Simplify $(-3) \times (-2^3)$

- (a) 24 (b) -24 (c) 16 (d) -16

Q.7 The letter or symbol in algebraic expression is called:

- (a) Variable (b) Constant (c) Coefficient (d) Term

Q.8 $18\frac{3}{4}\%$ = _____ : _____

- (a) 3 : 16 (b) 4 : 9 (c) 3 : 2 (d) 2 : 3

Q.9 The expression with two terms are called:

- (a) Monomial (b) Binomial (c) Trinomial (d) Polynomial

Q.10 Simplify $\frac{a^7 \times b^3}{a^5 \times b}$

- (a) $(ab)^5$ (b) $(ab)^4$ (c) $(ab)^3$ (d) $(ab)^2$

Q.11 What are the factors of the term $-xy^2$?

- (a) $x \times y \times y$ (b) $-1 \times y \times y$ (c) $-1 \times x \times y \times y$ (d) none of these

Q.12 Radha ranked 25th in the class of 41 students. What is the rank of Radha from the end.

- (a) 16th (b) 17th (c) 18th (d) 19th

Q.13 The _____ is the longest chord of the circle.

- (a) Diameter (b) Radius (c) Secant (d) Tangent

DIRECTIONS: In the question number 19 and 20 a statement of Assertion (A) is followed by a statement of Reason

(R). Choose the correct option:

(a) Both (A) and (R) are true and (R) is the correct explanation of (A).

(b) Both (A) and (R) are true but (R) is not the correct explanation of (A).

(c) (A) is true but (R) is false.

(d) (A) is false but (R) is true.

Q.14 **Assertion (A):** Circumference of a circle of radius r is $2\pi r$.

Reason (R): 760 m is the circumference of circle whose radius is 2.8 m.

Q.15 **Assertion (A):** Saroj purchased a fan for ₹ 1000 and sold it for ₹ 1200. Profit = ₹ 400.

Reason (R): Profit = S.P – C.P

Q.16 Identify the terms and their factors in the expression $7y^3 + 2y^2 + 3y + 5$ and show the terms and factors by tree diagram.

Q.17 Give four rational numbers equivalent to $\frac{4}{9}$.

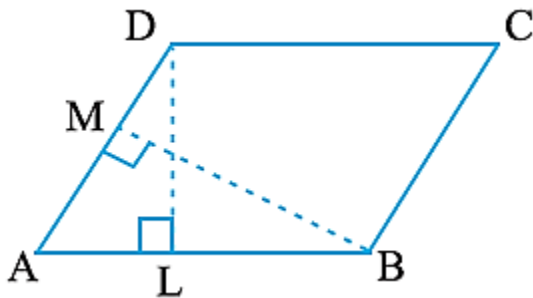
Q.18 Find the height of the parallelogram if its area is 24 cm^2 and base is 4 cm.

Q.19 If three cubes of dimensions 3cm by 3cm by 3cm are placed side by side, what would the dimensions of the resulting cuboid be?

Q.20 8% children of a class of 25 like getting wet in the rain. How many children like getting wet in the rain.

Q.21 If the circumference of a circular sheet is 154 m, find its radius. Also find the area of the sheet. (Take $\pi = \frac{22}{7}$)

DL and BM are the heights on sides AB and AD, respectively, of parallelogram ABCD (Fig). If the area of the parallelogram is 1470 cm^2 , $AB = 35 \text{ cm}$ and $AD = 49 \text{ cm}$, find the length of BM and DL.



Q.22 Find the value of expression $a^3 + b^3 + 3a^2b + 3ab^2$ if $a = 2$, $b = -2$

Q.23 (a) Simplify and express your answer in exponential form $\frac{2^3 \times 3^5 \times 4}{3 \times 32}$.

(b) Express 270 as a product of prime factors in exponential form.

Q.24 Selling price of a toy car is Rs 540. If the profit made by shopkeeper is 20%. What is the cost price of this toy?

Q.25 Out of 15,000 voters in a constituency, 60% voted. Find the percentage of voters who did not vote. Can you now find how many actually did not vote?

SCIENCE

PROJECT-1: 3D working model of Newton Disc (ROLL NO. – 1 to15)

Material Required:

A standard piece of printer paper, an equivalent sized piece of cardboard, glue, tape, scissors, hole punch, a ruler, a no. 2 pencil, and a coloring source.

Procedure:

1. Take the cardboard disc and paint six equal-sized color sections in the order of the rainbow - red, orange, yellow, green, blue, and violet.
2. Use a pin to make a small hole in the center of the disc.
3. Fix the disc onto the spinning tool using the pinhole.
4. Spin the disc at a constant speed using the spinning tool.

PROJECT-2: 3D working model of Mighty Fly (ROLL NO. – 16 to 30)

Material Required:

Cardboard tube from Plenty kitchen towel, 2 paper straws, Paint and brushes, Scissors, Thin cardboard

Procedure:

1. Fold the paper in half vertically.
2. Cut front and back strips. Print template on paper or card stock.
3. Make front and back circles. Tape each strip into circle.
4. Cut straws. Cut paper straws to be approximately 5 1/2" long.
5. Glue straws to back circle.
6. Glue straws to the front circle.
7. Decorate it!
8. * OPTIONAL: Make Paper Tubes

PROJECT-3: Tussie Mussie Herbarium (ROLL NO. – 31 TO 41)

Material Required:

Loose seeds, dried bulky fruits, algae, fungi, wood sections, pollen, microscope slides, silica-stored materials, DNA extractions, and fluid-preserved flowers or fruits.

Procedure:

1. Collect a sample of all parts of the plant to add in identification.
2. Arrange plants in their natural structure, minimizing overlapping parts and highlighting unique characteristics.
3. Inspect the plants after 24 hours to rearrange the specimens or to replace paper as needed.

SOCIAL SCIENCE

PROJECT-1: Create a timeline of the major Mughal rulers, starting from Babur to Aurangzeb . (ROLL NUMBER 1-10)

- Highlight key events in each ruler's reign, such as major battles, Cultural developments, or administrative reforms.
- Use drawings or pictures to represent each ruler.

Material Required:

Hard cardboard, Chartpaper, sketch pens ,markers, Images or printed pictures

PROJECT-2: Prepare a **PICTURE BOOK** of Tribal Communities(e.g. Bhil's, Gonds, Santhals)

(ROLL NUMBER 11-20)

- Show the aspects like livelihood, lifestyle, social structure and interaction with other communities.
- Includes drawing or pictures of their customs, festivals, traditional attires, occupations, etc.

Material Required :

Hard cardboard, A4 sheets, sketch pens/ colour pictures or images.

PROJECT-3: Prepare a **PICTURE BOOK** of Nomads. **(ROLL NUMBER 21-30)**

- Show the aspects like livelihood, lifestyle, social structure and interaction with other communities.
- Includes drawing or pictures of their customs, festivals, traditional attires, occupations, etc.

Material Required:

Hard cardboard, A4 sheets, sketch pens/ colour pictures or images.

PROJECT-4: Prepare a **PICTURE BOOK** of Settled Communities.

(ROLL NUMBER 31-41)

- Show the aspects like livelihood, lifestyle, social structure and interaction with other communities.
- Includes drawing or pictures of their customs, festivals, traditional attires, occupations, etc.

Material Required:

Hard cardboard, A4 sheets, sketch pens/ colour pictures or images.