SURAJ

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SCHOOL
PATAUDI

Summer Vacation

Holiday

SESSION 2023-24

HOME WORK

9th

ENJOY
SUMMER
⁘★★★⁘

English

Q.1-Write diary entry under the following topics.
    a-Birthday party
    b-Historical tour with your friends
    c-Going to U.S.A on your vacation
    d-Flower competition at your school

Q.2-Write short paragraph under the following topics.
    a-Importance of computer
    b-My best friend
    c-Our indian prime minister Narendra Modi
    d-Mahatma Gandhi

Q.3-Write short articles under the topics.
    a-Spring season
    b-Poverty is the cause of all social evils
    c-The plight of child labour
    d-Health hazards caused by fast food

Q.4-Cut and paste any **three headlines every day's for 10days and elaborate something about it.**

Q.5-Fill in the blanks with most appropriate words from the given options
    1.The annual day of our school   **……….** on the next month .
    2.All of us **…….** very busy till then. Each house **……..**up something special for the occasion.
    3.The house masters **…….**us in the projects.
    4.We**…….**a cultural evening as well. Energy **…..**by tickets . we will be donating the amount to the victims of tsunami.
    1- a. is holding
      b-will be holding
      c-will hold
      d-will be held

    2. a-be
      b-will be
      c-are being
      d-will have been

    3. a-put
      b-will put
      c-will be putting
      d-will have put

    4. a-will guide
      b-will be guiding

c-will have guided
d-will have been guiding

5. a-shall hold
   b-shall be holding
   c-shall have held
   d-shall have been holding

6. a-be
   b-will be
   c-being
   d-will have been

Hindi

- कबीर की साखियांद्वारा कौन-कौन सीनीतिपरक बातें सीखने को मिलते हैं? अपने शब्दों में लिखिए।
- आज की युवा पीढ़ी और नैतिक मूल्य विषय पर लगभग 120 शब्दों में अनुच्छेद लिखिए।
- भक्ति कालीन के किन्हीं पांच कवियों के जीवन पर आधारित परियोजना तैयार कीजिए।
- समाचार पत्र से प्रतिदिन एक पेजसुलेखलिखिए।
- 'दो बैलों की कथा 'नामक पाठ में से हीरा और मोती की चारित्रिक विशेषताओं का वर्णन कीजिए।
- रोजसमाचार पत्र पढ़े और एक नए शब्द काटकर a4 पेपर पर चिपकाएऔर साथ ही साथ उनका अर्थ भी लिखें।
- उपसर्ग और प्रत्यय के मूल शब्दों के साथ 10-10 उदाहरण लिखिए।
- कोई दो शिक्षाप्रद कहानी लिखें।
- वार्षिक उत्सव वर्णन करते हुए मित्र को पत्र लिखिए

Mathematics

SECTION A

Q.1 $\sqrt{12} \times \sqrt{15}$ is equal to
a) $5\sqrt{6}$ b) $6\sqrt{5}$ c) $\sqrt{27}$ d) $12\sqrt{15}$

Q.2 The degree of a zero polynomial is
a) 0   b) 1   c) any constant   d) not defined

Q3. An Acute angle is
a) more than 90º degree   b) Less than 90º degree
c) equal to 90º degree   d) equal to 180º degree

Q4. The exterior angle of a triangle is 155° and one of the interior opposite angle is 55°. The other interior opposite angle is
a) 45°   b) 55°   c) 90°   d) 100°

Q5. **A reflex angle is:**
a). More than 90 degrees   b) Equal to 90 degrees
c). More than 180 degrees   d) Equal to 180 degrees

Q6. **Two parallel lines intersect at:**
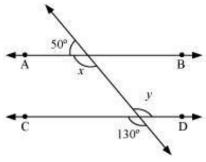a). One point   b. Two points

c). Three points   d). Null

Q7. **The solution of equation x-2y = 4 is:**

a). (0,2)   b). (2,0)

c). (4,0)   d). (1,1)

Q8. **Point (3, 4) lies on the graph of the equation 3y = kx + 7. The value of k is:**

a). 4/3   b). 5/3

c). 3   d). 7/3

Q9. **The graph of x = 3 is a line:**

a). Parallel to the x-axis at a distance of 3 units from the origin

b). Parallel to the y-axis at a distance of 3 units from the origin

c). Makes an intercept 3 on the x-axis

d). Makes an intercept 3 on the y-axis

Q10. **Any point on the x-axis is of the form**

(a) (x, y)   (b) (0, y)

(c) (x, 0)   (d) (x, x)

Q11. **The point of the form (a, a) always lies on:**

(a) On the line x + y = 0   (b) On the line y = x

(c) x-axis   (d) y-axis

Q12. **The value of f(x) = 5x−4x²+3 when x = -1, is:**

a). 3   b). -12   c). -6   d). 6

Q13. **What is the degree of the polynomial √3?**

a). 0   b). 1   c). 1/2   d). 2

Q14. **One of the linear factors of 3x²+8x+5 is**

a). (x+1)   b). (x-2)   c.) (x+2)   d.) (x-4)

Q15. If y^{97} + 97 is divided by y + 1, the remainder is:

a) 0   b) 1   c) 95   d) 96

SECTION B

Q16. Expanding each of the following, using all the suitable identities

  (i)   (3a −7b−c)²

  (ii) (2x−y+z)²

Q17. Find five rational numbers between 3/5 and 4/5.

Q18. Simplify: (√3+√7) (√3-√7).

Q19. **Draw the graph of the linear equation 3x + 4y = 6. At what points, the graph cuts X and Y-axis?**

Q20 The exterior angles obtained on producing the base of a triangle both ways are 100° and 120°. Find all the angles.

Q21. In the given figure, find the values of *x* and *y* and then show that AB || CD.

Q22. **Divide 3x³ − 8x + 5 by x − 1.**

Q23. Divide the Line Segment into Number of Equal parts.(Activity Base)

Q24. To obtain a linear equation and draw a graph which represents the linear equation (Activity Base)

Q25.. Draw a Modal of Types of Triangle.

Science

- **Physics**
  1. Draw graphical representation of motion on white chart for display purpose..
  2. Do at least 10 numericalon the equations of motion & Force in your fair notebook..
  3. Make a physical science project on Laws of motion/Gravitation..
  4. Write the S.I unit of all physical quantities along with their formulae on A4 sheet..
  5. Revised chapters-Force& Laws of motion and gravitation..strongly for the written exam purpose(After the end of summer vacation).

- **Chemistry**
  1. Make a chart on Bohrs atomic model of the atom.
  2. Make a chart on Rutherford 's alpha particle scattering experiment its conclusion and observations.
  3. Make a chart on atomic numbers, valencya, number of electrons, protons and neutrons, symbol of elements and name of elements also.
  4. Revise the third chapter(atoms and molecules) completely.

- **Biology**
  1. Make a model of either plant or animal cell.
  2. Make a chart of the difference between plant and animal cell.
  3. Describe and write the function of the cell organelles in your scrap book.
  4. Make a flowchart of the types animal and plant tissue.

Social Science

1. Find out more about anyone of the revolutionary figures you have read about in the chapter "French Revolution". Write a short biography of this person.

2. Why most of the world's desert is located in the western margins of continent of the subtropics ? Explain.

3. Map Skill

   {a} World Map

   •10 Mountain Ranges

   •20 Lakes

   •20 Countries and its Capital

   {b} Map of India

   • Important Rivers

   • Natural Vegetation

   • Mountain Ranges

➢ **NOTE : Holiday Homework is to be done in Practical File**.

In a political map of India mark and label the following:

India-States with Capitals, Tropic of Cancer, Standard Meridian, Southern most, northern most, eastern most and western most point of India (Location and Labeling)

On an outline map of India locate and label the following:-

Mountain Ranges- The Karakoram, The Zaskar, Shivalik, Aravali, Vindhyas, Satpura, Western Ghats, Eastern Ghats.

* **Plant a tree and click photo in school uniform and send to me.**