



LIONS PUBLIC SCHOOL
I BLOCK PHASE- 1 ASHOK VIHAR
DELHI: 110052
(SESSION: 2025-2026)

Class VIII

Winter Vacation holiday homework

English

1. Attempt sample paper one from your Acme book (except passive voice)
2. Read the poem THE TYGER thoroughly and frame ten questions based on the chapter and answers- each of them. Practice reading the poem in an effective manner
3. Read and revise all work done till the date.

Hindi

शीतकालीन अवकाश कार्य

- 1) वार्षिक परीक्षा में आने वाले पाठों को दोहराएँ और लिखकर अभ्यास करें।
- 2) पाठ संबंधित भाषा की बात पुस्तक में ही पूरा करें।
- 3) व्याकरण पुस्तिका में कार्य प्रपत्र 1 से 11 तक पुस्तक में ही पूरा करें।

SST

- 1) Complete all the worksheets of the chapters done so far in the class
- 2) Complete practice test paper 2 page no 201 ,202
- 3) Revise the following chapters
- 4) Ch- Civilising the native and educating the nation
- 5) Ch- Confronting Marginalization

SCIENCE

- 1) Do worksheets of Ch-5,6,7,10,11 in the book itself given on page no. 214,215,216,219,220.
- 2) Revise Chapters-6,7,10,11 thoroughly.
- 3) Complete Sikkim water conservation activity (Cutouts).

SANSKRIT

- वार्षिक परीक्षा में आने वाले पाठों को याद करे।
- कार्यपत्र 11 (कथा पूर्ति) पूर्ण करे।
- संस्कृत पाठ्यपुस्तक पृष्ठ संख्या 126 में दिए गए आदर्श-प्रश्न-पत्रम् 2 को उत्तर सहित पूर्ण करे।
 - संस्कृत पाठ्यपुस्तक पृष्ठ संख्या 95 में दिए गए चित्र वर्णन पूर्ण करे।

GK

- 1) Revise annual examination syllabus thoroughly.
- 2) Make 10 current affairs Q/A each from the month of November and December.

DRAWING

- Complete your pending work.
- Practice calligraphy.

COMPUTER

A. Fill in the blanks using the hints given below:

Hints: Items, Sequential, Index, Traverse

1. Python uses lists to store the _____ order of different kinds of data.
2. An empty list is a list that does not contain the _____ in it.
3. Various ways to _____ a list are indexing, negative indexing and slicing.
4. Nested list can be traversed by using the _____ operator.

B. Write a python program for Nested List.

C. Revise chapter 7,8,9

MATHS

PRACTICE PAPER

MARKS: 80

TIME: 3 hours

GENERAL INSTRUCTIONS:

- 1) **Attempt all the questions**
- 2) **Paper consists of 6 sections**
Section A consists of 15 questions 1 marks each [Multiple choice questions]
Section B consists of 5 questions 1 mark each.
Section C consists of 9 questions 2 marks each
Section D consists of 5 questions 3 marks each.
Section E consists of 3 questions 5 marks each.
Section F consists of 3 questions 4 marks each.[case study based]
- 3) **Read the questions carefully.**

Section -A

1. A line graph which is a whole unbroken line is called a:
 - a) Bar graph
 - b) Linear graph
 - c) Histogram
 - d) Pie chart
2. If we join $(-3,2)$, $(-3,-3)$ and $(-3,4)$, then we obtain:
 - a) A triangle
 - b) A straight line passing through origin
 - c) A straight line without passing through origin
 - d) A square
3. $5x+2y$ is a
 - a) Monomial
 - b) Binomial
 - c) Trinomial

- d) None of these
4. The factors of $6xy-4y+6-9x$ are :
- a) $(3x+2)(2y+3)$
 - b) $(3x-2)(2y-3)$
 - c) $(3x-2)(2y+3)$
 - d) $(3x+2)(2y-3)$
5. The common factors of a^3b^2 and a^4b is
- a) a^4b^2
 - b) a^4b
 - c) a^3b^2
 - d) a^3b
6. The multiplicative inverse of 7^{-2} is
- a) 7^2
 - b) 7
 - c) $1/7^2$
 - d) $1/7$
7. $100^0 + 20^0 + 5^0 =$ _____
- a) 125
 - b) 25
 - c) $1/25$
 - d) 3
8. The area of a rhombus is 240 cm^2 and one of the diagonals is 16 cm. Find the other diagonal.
- a) 16 cm
 - b) 20 cm
 - c) 30 cm
 - d) 36 cm
9. Which one of the following is a regular quadrilateral?
- a) Quadrilaterals
 - b) Square
 - c) Rectangle
 - d) Kite
10. If $\angle A$ and $\angle B$ are two adjacent angles of a parallelogram. If $\angle A = 70^\circ$, then $\angle B = ?$
- a) 70°
 - b) 90°
 - c) 110°
 - d) 180°
11. Number of zeroes in the square of 900 is _____
- a) 2
 - b) 4
 - c) 5

- d) 3
12. The cube of 23 is
- a) 2304
 - b) 12167
 - c) 529
 - d) 23
13. If x and y are directly proportional, then which of the following is correct?
- a) $x+y = \text{constant}$
 - b) $x-y = \text{constant}$
 - c) $xy = \text{constant}$
 - d) $x/y = \text{constant}$
14. The solution of equation $5/x=2$ is
- a) 10
 - b) $2/5$
 - c) $5/2$
 - d) $1/10$
15. The area of right angle triangle whose base is 8cm and hypotenuse is 10 cm is
- a) 40 cm^2
 - b) 48 cm^2
 - c) 24 cm^2
 - d) 80 cm^2

Section -B

16. Calculate the area of a rectangle whose length and breadth are given as $3x^2y$ m and $5xy^2$ m respectively.
17. Express 0.000078 in standard form.
18. Find total surface area and volume of cube whose edges are 50 cm.
19. Find the cube of 3.5
20. Solve for x ; $(2x-2)+(3x-3)+(9x-9) = 1$

Section -C

21. State the quadrants or axes where the following points lie, without plotting on the graph
- a) (3,2)
 - b) (-1,-7)
 - c) (0,4)
 - d) (-6,6)
22. Evaluate using suitable identity: 103×105

23. Factorise: $y^2-21y+90$

24. Factorise by grouping: $x^2+xy+8x+8y$.

25. The area of a trapezium is 34 cm^2 and the length of one of the parallel sides is 10 cm and its height is 4 cm . Find the length of the other parallel side.

26. Write Pythagorean triplet whose one of the member is 14 .

27. Find the cube root of 10648 by prime factorisation method.

28. A machine in a soft drink factory fills 840 bottles in 6 hours. How many bottles will it fill in 5 hours?

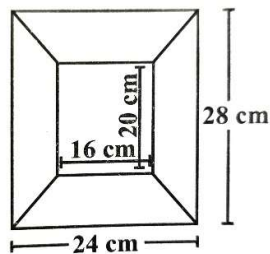
29. How many sides does a regular polygon have, if each of its interior angles is 165° .

Section -D

30. Multiply $\left(\frac{1}{2}x + \frac{1}{3}y\right)$ by $(3x^2-2y^2)$ and evaluate it when $x=-1, y=-2$.

31. Is 2352 a perfect square? If not, find the smallest multiple of 2352 which makes it a perfect square. Find the square root of new number.

32. A picture frame has outer dimensions $24\text{cm} \times 28\text{cm}$ and inner dimensions $16\text{cm} \times 20\text{cm}$. Find the area of each section frame if the width of each section is same.



33. Solve: $5x-2(2x-7) = 2(3x-1)+\frac{7}{2}$

34. Plot the following points on the graph: A(-3,2), B(5,4), C(-4,0), D(-1,-3), E(5,-2), F(1,1).

Section -E

35. Factorise and divide : $5pq(p^2-q^2) \div 2p(p+q)$

36. a) Simplify $\left\{\left(\frac{1}{3}\right)^{-2} - \left(\frac{1}{2}\right)^{-3}\right\} \div \left(\frac{1}{4}\right)^{-2}$

b) Find the value of 'm' for which $5^m \div 5^{-3} = 5^5$

37. "a" varies directly as the square of "b". If a is 80 when b is 15 , find a when b is 6.6

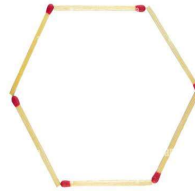
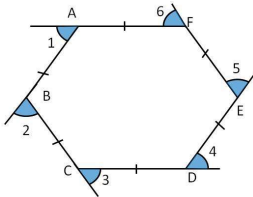
OR

There are 100 students in a hostel. Food provision for them is for 20 days. How long will these provision last if 25 more students join the group.

Section -F

Case study based

38. Jiya was given 6 matchsticks to form a simple closed polygon. She arranged the matchsticks in a manner that she obtained a polygon and then labelled it as shown in figure:-



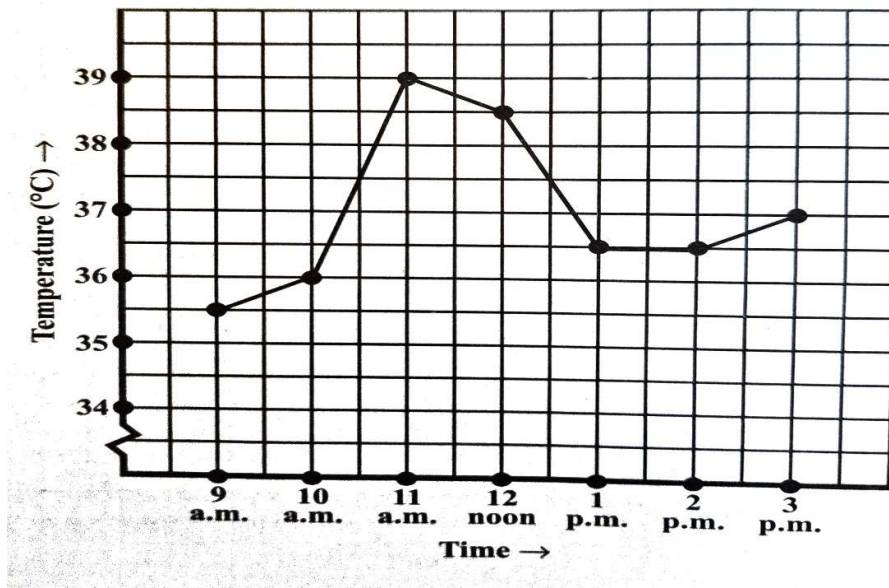
On the basis of above information, answer the following questions:

- (i) Write name of 6 sided closed figure.
- (ii) What is measure of each exterior angle?
- (iii) What is the sum of all interior angles?
- (iv) How many diagonals it will have?

39. The following graph shows the temperature of a patient in a hospital, recorded every hour.

Study the graph and answer the following questions.

- a) What was the patients temperature at 1 p.m. ?
- b) When was the patient's temperature 38.5°c ?
- c) The patient's temperature was the same times during the period given. What were these two times?
- d) What was the temperature at 1.30 p.m.?



40. A powder is available in two packs: a tin can in the shape of a cuboid with internal measurements $5\text{cm} \times 5\text{cm}$ and a height of 12cm and a plastic cylinder with diameter 7cm and height 10cm .

On the basis of above information answer the following questions.

- Find total surface area of cuboidal tin.
- Find total surface area of cylinder.
- Which container has a greater capacity and by how much?