HIMALAYA PUBLIC SCHOOL, GHANAURI KALAN
CLASS -9TH Rose   Subject Mathematics

1 Find six rational numbers b/w 3 and 4

2. Write in p/q form 0.666….

3. Show how √5 can be represented on the number line.

4. Find the curved surface area of a right circular cone whose slant height is 10 cm and base radius is 7 cm.

5. Find the surface area of a sphere of radius 7cm.

6. If the volume of a right circular cone of height 9 cm is 48π cm³, find the diameter of its base.

7. Find the value of k,if x=2, y=1 is a solution of the equation 2x+3y=k

8. Write the four solutions of the given equation.   x+y=5

9. Find the area of a triangle, two sides of which are 8 cm and 11 cm
and the perimeter is 32 cm.

10. The sides of a triangular plot are in the ratio of 3:5:7 and it's perimeter is 300 m.Find it's area.

11. Find the value of polynomial 2x²+5x+1 at x=3

12. Check whether x=-⅙ is zero of the polynomial p(a)=6a+1

13. Find the value of k, if (a-1) is the factor of p(a)=ka²-3a+k

14.   Write in expanded form (2x+3y)³

15. Factorise : 8a³-b³-12a²b+6ab²

16. If x+y+z=0, show that x³+y³+z³=3xyz

17. Factorise 12x²-7x+1

18. Classify the following as linear, quadratic and cubic polynomials
(i) X²+x (ii) x-x³ (iii) y+y²+4 (iv) 1+x (v) 3t (vi) r²

19. Find the supplementary angle of 123⁰

20. Rationalize the denominator. 1/√7-2

21. Write the formula of l² =

22.Find the volume of a sphere whose surface area is 154 cm²

23. Prove that equal chords of a circle subtend equal angles at the centre.

24. Prove that if the angles subtended by chords of a circle at the centre are equal,then the chords are equal.

25. Prove that the angle subtended by an arc at the centre is double the angle subtended by it at any point on the remaining part of the circle.

26. Plot the following points.(3,-4),(4,3),((-5,-4),(-3,4)

27. Find the complementary angle of 63⁰

Subject -Hindi

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7.(Prepare presentation Topic on assignment sheets.)

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Subject IT
Revise Solved and unsolved
MCQ and Question Answer of Part B

Subject -English

- Make your project file on the Topic : Kathmandu (also paste pictures related to the topic)
- Your school recently celebrated its Sports Day. Give a brief account of celebrations.
- A few days ago you went to Chandigarh with your family members and visited Rose Garden. You were so enchanted with the beautiful roses of different species that you decided to write it as a diary entry. Write a diary entry.
- Write a story in 150-200 words based on the given clues:
  A poor lady at a traffic red light had
  a doctor's prescription. She wanted...
- Learn whole Lessons -6,7,8,9 of Beehive

Science

Biology

- Make a assignment/ presentation of following topics:
  - cattle farming
  - fishery
  - poultry farming
  - bee keeping

Chemistry

Make an assignment
Topic
1.dalton atomic theory
2.Rutherford model of an atom
3.Effects of pressure on change of state
4.Distinction of among the three states of matter.
5.Existence of crystalline solids.
Revise chapter structure of atom
. Multiple choice question
.short answer questions
.Long Answer questions
.N.c.e.r.t problems

Physics

Make presentation on chapter Sound
Revise :-Chapter Floatation
        Chapter Work ,Energy And Power

Subject -PUNJABI

Assignment -
ਪ੍ਰਸ਼ 1.ਵਿਸਰਾਮ ਚਿੰਨ ਦੀ ਪਰਿਭਾਸ਼ਾ
2.ਪੜਨਾਂਵ ਦੀ ਪਰਿਭਾਸ਼ਾ ਤੇ ਕਿਸਮਾਂ
ਪ੍ਰਸ਼ ਨਾਂਵ, ਵਿਸਰਾਮ ਚਿੰਨ, ਪੜਨਾਂਵ , ਵਿਸ਼ੇਸ਼ਣ ਪਾਠਾਂ ਦੇ M.C.Q ਅਤੇ ਪ੍ਰਸ਼ਨ-
ਉੱਤਰ ਯਾਦ ਕਰਨੇ
ਪੜਿਆਂ ਹੋਏ ਪਾਠ ਦੁਹਰਾ ਕੇ ਯਾਦ ਕਰਨੇ

Subject social science

Holiday homework Assignment of social science . Environment pollution
Learn economics 4 chapter