D A V Public School, Gandhi Nagar (CCL), Ranchi

Holiday Homework
2024 - 2025
Class - IX

Subject- English

(1)   Read the novel of your choice and prepare a book review in 150-200 words.

(2)   Prepare an art integrated Project-Portfolio comparing and contrasting Jharkhand with Telangana.

(3)   Write a diary entry of your visit to a water park during summer vacation.

(4)   Prepare a speech on any of the following for Speaking Skill Test,

    (a)   Efficiency of Recycling   (b)   Human Rights

    (c)   Technology: A boon or a bane   (d)   Women Empowerment

Note:

    The project portfolio may include the following:

(i)   Cover page with title of project ,School details and details of student.

(ii)   Statement of purpose, objectives and goals.

(iii)   Certificate of completion under the guidance of the teacher.

Subject- I T (402)

1. What is the purpose of communication?

2. When we communicate verbally, we should use _____.

3. The most significant advantage of oral communication is that it provides immediate _____.

4. Write down the different methods of verbal communication. Give an example for each type.

5. What are the elements of communication?

6. What are the 3 P's of Public Speaking?

7. What are the advantages and limitations of oral communication? Explain with examples.

8. List the barriers to effective communication. Explain any two.

9. Write a note on different ways of non verbal communication?

10. What is visual communication? Give three examples.

Subject- Social Science

1. Prepare a model SHOWING URBAN AND RURAL ECONOMY OF INDIA ON THE BASIS OF THE STORY OF VILLAGE PALAMPUR.

2. Prepare a model SHOWING PHYSICAL DIVISIONS OF INDIA.

Subject- Sanskrit

1. पञ्च लकारेषु 45 वाक्यानां निर्माणम्

2. क्त्वा, ल्यप्, तुमुन्, क्त, क्तवतु एतेषां पञ्च पञ्च उदाहरणानि लिखित्वा तेषां वाक्येषु प्रयोगः कर्तव्यः

3. स्वरसंधेःउदाहरणानि लिखत

Subject- Hindi

1- ikB;& iqrd lslaca/kr fdlhghaiko jpukdkjkadk foLrr thou ifjp;] dfr; k, (ikd'ku o'kl fgr) ,oamiyf014k, kadk fooj.k ladfyr djA

2- milxZ@ iR;]lekl] vyadkj rFkk vFkZ dsvk/kkj ij okD, dh ifjHkk'kk] Hks] Hksadh ifjHkk'kk rFkk 15&15 mmkgj.k ladfyr djA

Subject- Mathematics

1. What is a rational number?

2. Find 3 rational numbers between 2 &3?

3. Represent $\frac{8}{3}$ on the real number line.

4. Without actual division ,find which of the following are terminating decimals

   (i) $\frac{13}{80}$ (ii) $\frac{7}{24}$ (iii) $\frac{5}{12}$ (iv) $\frac{31}{375}$

5. What is an irrational number ?

6. Represent $\sqrt{3}$ on the number line.

7. If $\frac{\sqrt{2}-1}{\sqrt{2}=1}$ =a+b$\sqrt{2}$,find a and b.

8. If x= 3+2$\sqrt{2}$, find the value of

   (i) x +1/x   (ii) $x^2 + 1/x^2$

Subject- Science

Chemistry

1. Learn and write at least 15 positive and negative radicals in your copy with their valencies.
2. Learn and write the name and symbol of first 20 elements of Periodic Tabe.
3. Convert the following temperatures into different scale of temperatures.

   -50K, 65°C,   -33.15^{O}C,   538K,   234°C, 29 75K
4. Classify the following as matter or not matter

   Soil,smell,smell of perfume,hate,cold drink, cold, thought, hate,hot metal, Zinc,fire, almond,Silicon.
5. (a)   Water kept in an earthen pot becomes cool during Summer.

   (b)   We can see water droplets on the outer surface of a glass containing ice cold water.

   (c)   We wear cotton clothes during Summer.

   (d)   Iron Almirah is a solid.

   (e)   Evaporation causes cooling.

Biology

1. Write in your practical record copy the experiment based on Temporary Mount of onion peel cell.
2. Write in your practical record copy the experiment based on Human cheek cell.
3. Find the analogy of all the cell organelles as parts of the human body as nucleus can be compared with the brain of our body.

Physics

1. A car travels at 54 km/h for first 20 s, 36km/h for next 30 s and finally 18 km/h for next 10 s. Find its average speed.
2. IIT Foundation conference theatre of a school is 15 m wide and has a door at a corner. A teacher enters at 8.00 am through the door and makes 10 rounds along the 15 m wall back and forth during the period and finally leaves the classroom at 9.30 a.m. through the same door. Compute his average speed and average velocity.
3. A particle moving in a straight line covers half the distance with speed of 3m/s. The other half of the distance is covered in two equal time intervals with speed of 4.5 m/s and 7.5 m/s respectively. What is the average speed of the particle?
4. An object moves along a circular path of radius r. Calculate the distance and displacement when it completes its half revolution.
5. A particle starting from the corner start moving with constant velocity 1m/s along the diagonal of a cube. Taking the corner as origin, find the position of the particle after 1 second.
6. Comment on the numerical ratio of displacement to distance for a moving object.
7. Rohi walks 3 m east then turns left and covers 4 m . Find the total distance travelled by her and displacement.