SAVITRI DEVI DAV PUBLIC SCHOOL, JAMTARA

SUMMER VACATION ASSIGNMENT- (2023-24)

CLASS: VIII

SUBJECT: ENGLISH

1. Write five suggestions about caring for the old in the context of the poem "Granny Tree Climbing".
2. Collect "Two News reports" from the English newspapers and paste them in your Assignment copy.
3. HOTS ------

a) "A genius is someone with exceptional ability". Explain the quoted expression keeping in view the poem "Granny's Tree Climbing'.

b. Do you think non-violence is a sign of cowardice? Why/ why not? Write your views taking care of the plot of the story "Three Questions" .

4. Fill in the blanks with the correct form of verbs given in the brackets.

    1. Someone _____ (knock) at the door.
    2. Good boys _____ (obey) their elders.
    3. Water _____ (boil) at 100°C.
    4. Birds _____ (fly) in the air.
    5. I _____ (receive) your letter yesterday .
    6. My father _____ (leave) for Mumbai tomorrow.
    7. The child _____ (cry) because it cannot find its mother.
    8. My mother _____ (teach) in a college. She _____ (go) there in the morning.
    9. He _____ (go) to Shimla tomorrow.
    10. Thomas Edison _____ (invent) the electric lamp in 1879.
    11. The clouds _____ (move) across the sky.
    12. Sita _____ (talk) gently with everyone.
    13. It seldom _____ (rain) here in February.
    14. The horse _____ (gallop) across the fields.
    15. When I went to see him, he _____ (sleep).

5. Collect two unfamiliar words from the English newspaper everyday and learn them , use them in your day to day life and write them with their meaning in your HW Copy.

6. Lean the rules of Narration

7. Make a flow colorful chart on "Tense and its kinds" giving one example of each tense in your Assignment Copy.

8. Learn the Questions and answer of the taught chapters.

9. Notice writing----

You are Secretary of the History Club of DPS School, Gaziabad, UP. Draft a notice in not more than 50 words informing students of a proposed visit to some important historical sites in Agra.

1. 'हम पंछी उन्मुक्त गगन के 'शीर्षक कविता का संपूर्ण भावार्थ लिखें।
2. अच्छे पड़ोसी के बारे में 10 गुण व 10 दोष का वर्णन करें /
   परियोजना कार्य :-
3. 'अच्छे पड़ोसी के गुण 'पाठ के आधार पर कूड़ा- कचरा जहां-तहां न फेंकने पर हिदायत देते हुए संवाद -लेखन करें / (स्टीक फाइल में सचित्र तैयार करें) /

1 प्रश्ननिर्माणस्य समये किं किं शब्दस्य प्रयोगः भवति तान् सर्वान् शब्दान् लिखित्वा विंशतिः उदाहरणानि लिखन्तु –

   यथा - कदा अवकाशः भविष्यति ?

दीर्घ गुण सन्धि विषये कः कः स्वरः प्रयोगः भवति प्रत्येक स्वरस्य पन्च पन्च उदाहरणानि लिखित्वा विच्छेदः कुर्वन्तु

   यथा- पुस्तक+आलयः ,अ+आ=आ , पुस्तकालयः |

1) **परियोजना कार्यम् (Art Integration) झारखण्ड राज्य को तेलंगणा राज्य से संकेत बिन्दुः —-**
    i)   परिचयः (introduction)
    ii)   क्षेत्रफल (area)
    iii)   बोली (language
    iv)   खान-पान
    v)   वेश- भूषा
    vi)   जनसंख्या
    vii)   जलवायु
    viii) शिक्षा

Project : Prepare a Working Model of Squares from 1 to 20.
                        OR
Prepare a Working Model of Cubes from 1 to 20.

Homework:-

Chapter -1 . Squares And Square Roots.

I) Multiple choice questions (Q.no .1to 5)

1. The value of $\sqrt{144} + \sqrt{1.44}$ is ?

a. 24   b.   13.2   c. 1.32   d. none of these

2. Which of the following triplet is a Pythagorean Triplet ?

a. (4,5,6) b. (11,60,61) c. (10,8,6) d. both b &c

3. How many non square numbers are there in between $\square^2 \square\square\square (\square + 1)^2$

a. 2n   b. 4n   c. 3n   d. 2n+1

4. The Simplified form of $\sqrt{2700} \div \sqrt{3}$ is _____.

a. 30   b. 3   c. 1   d. none of these

5. Evaluate $\sqrt{289} - \sqrt{16}$

a. 169 b. 13 c. 289 d. none of these

6. If $\sqrt{15625} = 125$, then find the value of $\sqrt{156.25} + \sqrt{1.5625}$

7. Find the square root of 14641 by Prime Factorisation method.

8. Find the square root of 144 by repeated subtraction method.

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

10. One of the members of the Pythagorean Triplet is given below. Find the other numbers .

 a) (6,----,-----) b.(10,----,---) c.(-----,8,----) d. (-------, 24,------)

 11. Find the least number which should be subtracted from 180 to make it a perfect square.

 12. Find the value of $\sqrt{32} + \sqrt{25} + \sqrt{108} + \sqrt{169}$

if $\sqrt{2} = 1.414$ and $\sqrt{3} = 1.732$.

13. Area of a square plot is 2304 m². Find the side of the square plot.

14. Find the square root of 1734489 by long division method.

15. Find the square root of 5 correct to three places of decimals.

16. A rectangle ABCD has AB=12 cm and BC=6cm. Find the length of its diagonals correct to one decimal place.

17. Find the greatest 4 digit number which is a perfect square.

18. Find the square root of 90 by estimation method.

Chapter -2

Cubes And Cube Roots

1.Write the cube of 0.11

2. Find the unit digit of the cube root of the following numbers

(a) 226 981   (b) 13824

3.Evaluate the cube root of 10648.

4. By what least number 4320 be multiplied to obtain a number which is a perfect cube?

5.Find the cube root of 91125 by estimation.

6. Evaluuate the cube root of 686 / 1024.

7.Find the cube root of -19683.

8.Evaluate $\sqrt[3]{27}$ x $\sqrt[3]{2744}$.

9. Divide 26244 by the smallest number so that the quotient is a perfect cube. Also, find the cube root of the quotient.

10. Find the approximate length of a side of a whose volume is equal to a cuboid having dimensions 100m,11m and 9m

11. Volume of a cuboid box is 13.824 cubic meters. Find the length of each side.

12. Find the smallest number by which 8788 be divided so that quotient is a perfect cube. Also, find the cube root of the quotient.

SUBJECT: PHYSICS

A. **Answer the following questions.**
    a. Define force. What is the S.I. unit of force?
    b. Define one newton of force?
    c. Define balanced and unbalanced force.
    d. Define contact and non-contact force with examples.
    e. Define pressure. What is the S.I. unit of Pressure?
    f. Define Liquid Pressure. What are the properties of liquid pressure?
    g. Show that liquid pressure depends upon the height of the column of the liquid at any point.

Project :
        Prepare project on Comparative study of Metal and Non-Metal found in Jharkhand and Telangana in Channel file.

SUBJECT: CHEMISTRY

Answer the following questions in brief.
1.Define the following physical properties of metals also write one application of these properties.

i) Malleability ii) Sonorosity iii) Electrical conductivity iv) Ductility.

2. What are minerals and ores. All ores are minerals but all minerals are not ores. Justify this statement.

3. Write name and symbols with ions of 10 metals and 10 non- metals.

4. Write chemical formulae for the following compounds:--

i) Sodium acetate ii) Calcium phosphate iii) Magnesium nitrate. iv) Ammonium sulphate v) Zinc chloride.

5. Certain food stuffs like curd, pickles etc should not be stored in metallic container. Which chemical property of metals justify this statement.

Explain with one example.(write chemical equation)

6.Metals have a shiny surface on exposure to air for sometime ,metals lose their shine. Explain why ?

.Observe such changes in your surroundings and write down.

1.Choose the correct statement(s):
   (i) Ribosomes are located on the chromosomes.
   (ii) Cell is located in the nucleus.
   (iii) Chloroplasts are located in the nucleolus.
   (iv) Cell membrane surrounds the cell.
      A(i), (ii) and (iii)
      B. (i) and (ii)
      C. (iii) and (iv)
      D. Only (iv)
2.Which of the following instruments can be used to observe cells?
      A. Barometer
      B. Microscope
      C. Periscope
      D. Telescope
3.Cells are the basic structural units of living organisms'. Explain.
4.Where are chromosomes found in a cell? State their function.
5.Why are plant and animal cells usually stained with stains (dyes)before observing them through a microscope? Name the stain used for this purpose.
6. Differentiate between
   (a) Cell wall and cell membrane
   (b) Leucoplast and chloroplast
   (c) Plant cell and animal cell
7.Give reason for the following.
      (a) Animal cell is flexible than plant cell.
      (b) Nucleus is known as brain of cell.

1. What was the main cause for the defeat of Siraj ud Daulah in the battle of Plassey?
   A. He had no such quality like Clive to command the army
   B. He was not well-equipped with artillery
   C. His commander in chief Mir Jafar joined with the forces of Robert Clive

D. His army was weak
2. When was the battle of Buxar fought?
   A. 1763 A.D.
   B. 1764 A.D.
   C. 1765 A.D.
   D. 1766 A.D.
3. The British East India Company became masters of Bengal after_____ .
   A. The Battle of Plassey
   B. The Third Battle of Panipat
   C. The Battle of Buxar
   D. The Battle of Wandiwash
4. Where in India is Fort William situated?
   A. Kolkata
   B. Mumbai
   C. Chennai
   D. Hyderabad
5. How did East India Company become an imperial power in India? Explain.
6. The Battle of Buxar was a turning point in India. Give arguments to support the statement.
7. What was the importance of the Battle of Plassey?
8. What is meant by a Dual government? How did it lead to public suffering?
9. What did the British do to preserve important official documents and letters?
10. Go through internet and collect different source of information about the modern period.
Make a PPT of these sources.

SUBJECT: CIVICS

1. Which part of the Indian constitution has been referred to as the "conscience"?
   a) Secularism
   b) DPSP
   c) Fundamental rights
   d) Fundamental duties
2. When did Indian National Congress make the demand for a constituent assembly
   a)1934
   b)1945
   c)1946
   d) 1947
3. Which Court issue the Writs?
   a) District courts
   b) Panchayat
   c) Civil courts/ Criminal courts
   d) Supreme court/ High Courts

4. By which amendment the fundamental duties were included in the Constitution?
5. What does rule of law mean?
6. Why is the constitution called a living document?
7. What does the Constitution of a country reflect?
8. Name some eminent personalities who were members of constituent Assembly.
8. What was Privy Purse?
9. What is called the" soul of the Indian Constitution"?
10. How many parts articles and schedules are there in the Indian Constitution?
11. What are fundamental rights?
12. Which features in the Indian Constitution have been borrowed from the British constitution?
13. Name the five types of Writs and explain.

14. How many methods of amendment are there ?Name them and explain.

Integrated Project work:(Social Science)

Make a PPT on an Art integration under Ek Bharat Shrestha Bharat programme as a comparative study between the states JHARKHAND & TELANGANA on the following topics-1. Historical background of both States

2. Climate changes height of the States from sea level , dress, food ,agriculture and production

3. Political conditions ,government, folk dance ,culture

Explain the following questions with examples.

1) How nature has bestowed us?
2) Why human needs and wants are not uniform nor static in the world?
3) What is the use of a river. Write five points.
4) What is over irrigation?
5) Make a colourful chart of classification of resources?
6) What is sustainable development?
7) Suggest any five ways to reduce the wastage of resources.
8)Make a list of ten plants/trees which are around you and write their medicinal use-
9)Draw a picture of hydrochlorical cycle.
10)When is the earth day celebrated and what do we do on that day?

Project work:- (social science)
Make a Project on Art Integration under Ek Bharat Shreshtha Bharat Programme as a comparative study between the states JHARKHAND & TELANGANA on the following topics:- 1.Historical background of both states
2. Climatic changes , height of the states from sea level, dress, food, agricultural production.
3.political conditions, government, folk dance, culture.

Subject : Artificial Intelligence

Note: Prepare the Assignment in a new thin copy like weekly test copy

1.   Write the steps to play the "Rock Paper Scissors" game online. Also you're your experience in writing the above mentioned game in about 50-60 words.

2.   Define Natural Language processing. Give a brief description about the game "Mystery Animals" with steps.

3.   What do you mean by Computer Vision? Write about the game "Emoji Scavenger Hunt" also give your view about the use of Computer Vision in the Game.

4.   Does human Machine interaction make a user slow and inefficient over time?
      Express your views in 100 words.

ASSIGNMENT–

Make an object on a paper craft, poster or model related to environmentalism.

But there is a new kind of thing about robotics that makes a beautiful model or cut out of robot .This is that we are having a lot of discussion about artificial intelligence and it would be good if you write some things about its good and bad aspects along with your model.