



# SAVITRI DEVI DAV PUBLIC SCHOOL, JAMTARA

## SUMMER VACATION ASSIGNMENT- (2023-24)

### CLASS: VII

#### SUBJECT: ENGLISH

1. Write five suggestions about caring for birds and animals in the context of the poem "Birdie, will you pet".
2. Collect "Two News reports" from the English newspapers and paste them in your Assignment copy.
3. **Identify the type of sentences.**
  - a. Submit your assignment today's evening.
  - b. Alas! she is no more.
  - c. Do you know how to polish shoes?
  - d. I write a letter.
  - e. She doesn't have any clues.
  - f. He doesn't write a story.
  - g. Ram and Sita went to jungle.
  - h. Hurrah! we have won the match.
  - i. What a beautiful sight!
  - j. Are they going home?
4. **HOTS –**
  - a) What is more important- money or freedom? Explain with reference to the poem "Birdie, will you pet?"
  - b) Before grandmother bought Tutu, she was kept tied up all the time. Do you think it is alright to chain animals? Give reasons for your answer.
5. **Fill in the blanks with appropriate articles.**
  - a. Dr. C. K. Narayan was.....M.B.B.S.
  - b. Who invented .....Telescope?
  - c. The higher we go, .....cooler we feel.
  - d. I met .....poet and philosopher.
  - e. Mr. Pathak went to Kashmir in .....summer of 2005.
6. 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 Assignment Copy.
7. **Arrange the following jumbled up words and phrases into meaningful sentences.**
  - a. gathers / a / rolling stone/moss/no
  - b. bird/bush/in hand/a/worth/is/two/in/the
  - c. put/basket/don't/in one/eggs/all/your
8. Make a flowchart on "Sentence and its kinds" in your Assignment Copy giving one example of each kind.
9. Learn the Questions and answer of the taught chapters.

#### SUBJECT: HINDI

1. पोस्ट मैन (डाकिया) का चित्र बनाकर उसके उपर एक कविता लिखिए। HW copy में
2. आप निर्मला, साँप और सयाल कहानी में अजगर साँप के बारे में कुछ जानकारी लिए,इसी तरह पाँच अन्य साँपों का चित्र बनाकर उसकी उपयोगिता,लाभ हानि, रहने खाने के बारे में लिखिए। Project चैनल फाइनल में या HW copy में भी कर सकते हैं
3. तेलंगाना और झारखंड की संस्कृति, रहन सहन,खान पान, नृत्य आदि की तुलना करें (चैनल फाइनल में)

#### SUBJECT: SANSKRIT.

- 1) एकः पदेन उत्तरतः -----
  - i) कः अतीव जिज्ञासु आसीत् ?

- ii) के तस्य उपवासं कुर्वन्ति स्म ?
- iii) एकदा सः मार्गे सः किम् अपश्यत् ?
- iv) सः घटस्य अधः किम् अपश्यत् ?
- v) गर्भम् कः निर्मितवान् ?
- vi) सः पुनः-पुनः कान् अपठत् ?
- vii) सः परीक्षायां किम् स्थानं प्राप्तवान् ?
- viii) घटस्थापनेन कस्य आम् गर्तः अभवत् ?
- ix) भूयो-भूयः घटस्थापनेन कः निर्मितः ?
- x) अधुना तस्य सहपाठिनः किम् किम् न कुर्वन्ति स्म?

2) निम्नलिखितानि वाक्यानि लङ्गलकारे परिवर्तयन्तु -----

लट् लकारे

लङ्गलकारे

- i) सः पठति ।
- ii) तौ चलतः ।
- iii) ताः पश्यन्ति ।
- iv) सा लिखति ।
- v) त्वं खादसि ।
- vi) युवाम् वदथः ।
- vii) यूयम् चलथ ।
- viii) अहं नमामि ।
- ix) आवाम् पिबावः ।
- x) वयम् क्रीडामः ।

3) परियोजना कार्यम् (Art Integration) झारखण्ड राज्य को तेलंगणा राज्य से संकेत बिन्दु: —

- i) परिचयः (introduction)
- ii) क्षेत्रफल (area)
- iii) बोली (language)
- iv) खान-पान
- v) वेश-भूषा
- vi) जनसंख्या
- vii) जलवायु
- viii) शिक्षा

**SUBJECT: MATHEMATIC**

1. Which of the following are rational-  
(i)  $5/(-8)$  (ii)  $(-6)/11$  (iii) 0 (iv)  $0/1$  (v)  $0/0$  (vi)  $1/0$
2. Write down the numerator and the denominator of each of the following rational numbers.  
(i)  $8/19$  (ii)  $5/(-8)$  (iii)  $-13/15$  (iv)  $-8/(-11)$
3. Write the following integers as a rational number.  
(i) 5 (ii) -3 (iii) 1 (iv) 0 (v) -23
4. Which of the following are positive rational numbers?  
(i)  $3/(-5)$  (ii)  $-11/15$  (iii)  $-5/8$  (iv)  $0/3$
5. Which of the following are negative rational numbers?  
(i)  $-15/(-4)$  (ii) 0 (iii)  $-5/7$  (iv)  $4/(-9)$
6. Find four rational numbers equivalent to each of the following.

- (i)  $6/11$                       (ii)  $-3/8$                       (iii)  $7/(-15)$                       (iv)  $8$                       (v)  $1$

7. Write each of the following as a rational number with positive denominator.

- (i)  $12/(-17)$                       (ii)  $1/(-2)$                       (iii)  $-8/(-19)$                       (iv)  $11/(-6)$

8. Express  $5/8$  as a rational number with numerator .

- (i)  $15$                       (ii)  $-10$

9.  $-12/13$  as a rational number with numerator.

- (i)  $-48$                       (ii)  $60$

10. Write each of the following rational numbers in standard form.

- (i)  $35/49$                       (ii)  $8/(-36)$                       (iii)  $-27/45$                       (iv)  $-14/(-49)$

11. Which of the following are pairs of equivalent rational numbers?

- (i)  $-13/7$ ,  $39/(-21)$                       (ii)  $3/(-8)$ ,  $-6/$                       (iii)  $9/4$ ,  $-36/(-16)$

12. Find  $x$  such that:

- (i)  $-1/5=8/X$                       (ii)  $7/(-3)=X/6$                       (iii)  $3/5=X/(-25)$

13. Fill in the blanks:-

- (i)  $-9/5=$   $/20=$   $45/$

14. State whether the given statement is true or false:

- (i) zero is the smallest rational number.
- (ii) Every integer is a rational number.
- (iii) The quotient of two integers is always a rational number.
- (iv) Every fraction is a rational number.
- (v) Every rational number is a fraction.

15. Find the absolute values of the following rational numbers.

- (i)  $1/(-5)$                       (ii)  $7/9$                       (iii)  $-3/(-2)$

16. Compare the absolute values of the rational numbers in the following pairs.

- (i)  $3/(-7)$ ,  $-3/7$                       (ii)  $-5/7$ ,  $4/3$                       (iii)  $-4/5$ ,  $-3$

17. Find all rational numbers whose absolute value is –

- (i)  $3/7$                       (ii)  $9/11$                       (iii)  $0$

18. Represent each of the following rational numbers on the numfraction.

- (i)  $-3/4$                       (ii)  $36/(-5)$

19. Which of the following statements are true?

- (i)  $-3/5$  lies to the left of  $0$  on the number
- (ii)  $-12/7$  lies to the right of  $0$  on the number line.
- (iii)  $-18/(-13)$  lies to the left of  $0$  on the number line.

20. Arrange the following rational numbers in ascending order.

- (i)  $2/5$ ,  $7/10$ ,  $8/15$ ,  $13/30$

21. Arrange the following rational numbers in descending order.

- (i)  $-2/5$ ,  $7/(-10)$ ,  $-11/15$ ,  $19/(-30)$                       (ii)  $-4/9$ ,  $5/(-12)$ ,  $-7/18$

22. The sum of two rational numbers is  $-5$ . If one of the numbers is  $-13/6$ . Find the other.

23. What should be added to  $-7/8$  to get  $4/9$ ?

24. What should be subtracted from  $-\frac{2}{3}$  to get  $-\frac{1}{6}$  ?
25. Find the additive inverse of  
 (i) 5 (ii) -9 (iii) 0
26. Subtract.  
 (i)  $\frac{3}{4}$  from  $\frac{1}{3}$  (ii)  $-\frac{5}{6}$  from  $\frac{1}{3}$
27. Evaluate  
 (i)  $\frac{3}{4}-\frac{4}{5}$  (ii)  $-\frac{3}{4}-\frac{4}{7}$  (iii)  $\frac{4}{9}-\frac{2}{(-3)}$
28. Subtract the sum of  $-\frac{36}{11}$  and  $\frac{49}{22}$  from the sum of  $\frac{33}{8}$  and  $-\frac{19}{4}$  .
29. Find the multiplicative inverse or reciprocal of each of the following.  
 (i)  $-\frac{3}{(-5)}$  (ii) -1 (iii) 0
30. Simplify:  
 (i)  $-8 \div (-\frac{5}{16})$  (ii)  $-\frac{12}{7} \div (-8)$
31. Simplify:  
 (i)  $-\frac{7}{30} \times \frac{5}{14}$  (ii)  $-\frac{13}{5} \times (-10)$
32. The cost of 15 pencils is ₹ 60. Find the cost of each pencil.
33. A car is moving at an average speed of  $56\frac{4}{5}$  km/h. How much distance will it cover in  $7\frac{1}{2}$  hours?
34. Simplify:-  
 (i)  $-\frac{11}{39} + \frac{5}{26} + 2$
35. Show that:-  
 $-\frac{4}{3} \times (\frac{2}{5} + -\frac{7}{10}) = (-\frac{4}{3} \times \frac{2}{5}) + (-\frac{4}{3} \times -\frac{7}{10})$

**-:PROJECT WORK:-**

Define the following terms with Examples in a chart paper.

Natural numbers; whole numbers; Fractions Integers, Rational Numbers.

**SCIENCE**

**SUBJECT: PHYSICS**

Answer the following questions in brief.

- State two types of physical changes that may take place when a substance is heated.
- What is meant by sea breeze? when does it occur?  
Give the reasons for the following.
- A new quilt is warmer than an old one.
- The bottoms of cooking utensils are often kept black.
- A clinical thermometer has a slight bend, or kink, in its capillary tube.
- Explain briefly how winds are formed?
- Show with the help of activity, the temperature of the thermometer, having black paper on its bulb, rises faster than that of the other thermometer.
- Art integration—compare the soil between the Jharkhand and Telengana.

**SUBJECT: CHEMISTRY**

Answer the following questions.

1. Classify matter in a flow chart diagram.
2. Write name and symbols (with ions) of 10 elements.
3. Classify the following as elements or compounds: -  
 i) Gold      ii) Water      iii) Carbon dioxide      iv) Platinum      v) Sodium.
4. Write chemical formulae for the following: -  
 i) Calcium Carbonate      ii) Sodium hydroxide      iii) Aluminium chloride  
 iv) Magnesium Sulphate      v) Potassium nitrate.
5. Define chemical equation with one example.
6. Balance the following equations: -  
 i)  $\text{Al} + \text{HCl} \rightarrow \text{AlCl}_3 + \text{H}_2$   
 ii)  $\text{N}_2 + \text{H}_2 \rightarrow \text{NH}_3$
7. Observe any five changes in your surroundings and classify them as physical/ chemical changes, slow / fast changes, reversible/ irreversible changes.

## **SUBJECT: BIOLOGY**

1. Name the following.  
 (i) An organism that has both mode of nutrition\_\_\_\_  
 (ii) The plant which traps and feeds on insect is\_\_\_\_  
 (iii) Amarbel is an example of\_\_\_\_  
 (iv) Nitrogen fixing bacteria is \_\_\_\_
2. Explain the process of photosynthesis with the help of diagram.
3. Some plants have deep red, violet or brown coloured leaves. Can these leaves perform the photosynthesis process?
4. Farmers spread manure or fertilisers in the field or in gardens, etc. Why are these added to the soil?
5. How do algae and fungi form a unique association sharing benefits from each other? What is the name of association between them ?
6. In what unique manner does a pitcher plant derive its nutrition?
7. Water and minerals are absorbed by the roots and then transported to leaves. How?

## **SOCIAL SCIENCE**

### **SUBJECT: HISTORY**

1. Choose the correct option -  
 I. Manuscript means  
 a. handwritten text      b. machine written text      c. none of both (a & b)  
 II. Medieval period in Europe was in between-  
 a. 1<sup>st</sup> to 2<sup>nd</sup> century      b. 4<sup>th</sup> to 14<sup>th</sup> century      c. 5<sup>th</sup> to 15<sup>th</sup> century  
 III. Medieval period in India was in between  
 a. 4<sup>th</sup> to 14<sup>th</sup> century      b. 6<sup>th</sup> to 16<sup>th</sup> century      c. 8<sup>th</sup> to 18<sup>th</sup> century  
 d. none of these.  
 IV. Ain-i-Akbari was written by  
 a. Akbar      b. Abul Fazl      c. Firdausi      d. none of these.
2. Where do the national and state governments keep all records, documents and manuscripts?
3. What is a person called who copied out documents?
4. Name the technological developments which took place in the medieval period.
5. What are the sources of information of the medieval period of India?
6. Project work: - (Social Science)

Make a PPT 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: CIVICS**

A. Tick the correct option.

1. The right to vote is guaranteed to Indians who are  
a. highly educated      b. highly rich      c. the schedule casts      d. citizens of India
2. The most successful scheme of the government which increased enrollment of children in school is....  
a. Education for all      b. Reservation of seats in schools  
c. Mid day meal scheme      d. scholarships and financial help to poor children
3. Which one of the following is not responsible for weakening the Indian society  
a. casteism      b. education      c. illiteracy      d. poverty
4. According to the preamble, who is constituting India into a socialist, secular and democratic?  
a. The people of India      b. All national leader  
c. The constitution itself      d. Representatives of the people
5. To ensure that all the children from the deprived sections are able to fulfill their dreams, the government of India should not.  
a. give them free food and clothing.      b. Give them monthly stipend monetary help.  
c. Provide free education.      d. Leave them to fight for themselves and become self dependent.

B. Fill in the blanks

1. The ... is a document that list downs the framework vertical structures and the powers and duties of the government.
2. The.... is an introduction to our constitution.
3. The .....system create social division in a nation.
4. Each.... Is an organised group having its on policies and programmes.
5. Many.... have been made to protect the right to equality.

C. State true or false for the following statements.

1. On 15 August 1947 India became a republic.....
2. Our constitution frameworks wanted to eradicate discrimination.....
3. People elect representatives for a fixed term.....
4. The law does not give equal protections to all....
5. The provisions of reservation have not reached everyone.....

D. Answer the following questions in brief.

1. What is the main function of an opposition party?
2. Why was reservation provided for certain castes in India?
3. What is meant by secularism?
4. Why is Universal Adult Franchise considered a courageous step of the constituent assembly?
5. Name any two literacy programmes started by the Government of India.

## **SUBJECT: GEOGRAPHY**

**Choose the correct option**

- 1) What is a source of mineral wealth?  
a) Atmosphere      b) lithosphere      c) biosphere
- 2) Who protect Earth from harmful rays and scorching heat of the Sun?  
a) mechanical force      b) gravitational force      c) atmosphere
- 3) Which of the following is a human made environment?  
a) hydrosphere      b) economic      c) industries
- 4) When is the World environment day celebrated?  
a) 5 July      b) 5 June      c) 5 January
- 5) What is environer / environner means?  
a) environment      b) aquarium      c) neighbourhood
- 6) which one has solid crust or the land top near of the earth?

- a) lithosphere                      b) hydrosphere                      c) biosphere
- 7) plant and animal kingdom together make?  
 a) atmosphere                      b) hydrosphere                      c) biosphere
- 8) which is not a component of human environment?  
 a) land                                  b) religion                                  c) community  
 d) all of these
- 9) Match the following-

Column I

- 1 Landforms
- 2 Human made
- 3 Hydrosphere
- 4 Gravitational force
- 5 Information revolution

Column II

- A. Domain of water
- B. Bridges
- C. Communication
- D. Continents and ocean floor
- E. Holds the atmosphere

10) Picture based question-

Draw a sketch of component of environment based on the sketch answer the question that follows.

How are human beings destroying the environment?

Project work:- ( Social Science)

Make a PPT 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.

**DRAWING-** Up to complete pg. no. - 15(BOOK)

**ASSIGNMENT** - Any model poster or collage related or paper craft to environment.

' Or '

There is a big debate going on in the world now about artificial intelligence and its advantages and disadvantages, if you can make some models (on Robots) or posters and write something about it, if you can explain the positive side and negative site, then it will be a great thing for everyone.

**SUBJECT : ARTIFICIAL INTELLIGENCE**

1. Write the definition of Artificial Intelligence given by different organisations?
2. Give a brief description about the game “Thing Translator” (use the internet for information) and also write all the steps to play the game with pictures.
3. Write in short about all the pioneers and their contribution in the field of AI.
4. Write an essay in 200 words about a scientist (not given in book, search by use of the internet) who worked in the field of AI.