



SD DAV PUBLIC SCHOOL, JAMTARA

Summer Vacation Assignment (2026-27)

Class: - VIII

SUBJECT: ENGLISH

Reading Skill

Objective: To enhance reading skills, pronunciation, understanding level

1. Read one English Story from your text book everyday. Any Five Stories
Write the titles of the stories, authors name, main characters and moral lessons for the readers in a separate copy.
2. Note down new words with synonyms and use them in sentences. 10 new words, synonyms and sentences from five lessons.
3. Practise five Reading for Understanding (Unseen Passages) and frame five MCQ questions from each unseen passage.
4. Read editorial of The Telegraph or The Times of India on daily basis and learn the meaning of new words.

English Literature

5. Write a diary entry on behalf of King that how digging of bed for the hermit saved your life with all the questions answered in practical way.
6. Write a diary entry on behalf of granny that it was so difficult to spend a week in bedrest and how did she come out of it?
7. Write 10 important things from the life of legendary author Ruskin Bond and R. K. Narayan
8. Write 10 sentences in Simple Present Tense, Simple Past and Simple Future Tense in positive negative and interrogative forms.
9. Write a letter to your friend describing your visit to Shimla during summer vacation.
10. Write a letter to the Editor of The Statesman (English Newspaper) highlighting the issue of corruption in government offices.

SUBJECT: HINDI

1. (क) पसद, , शब्द में उचित स्थान पर अनुस्वार/ अनुनासिक चिन्ह का प्रयोग कीजिए।
(ख) 'फन' शब्द में उचित स्थान पर नुक्ता लगाइए।
(ग) 'आशीवाद' शब्द में 'र' के उचित रूप का प्रयोग कीजिए।
2. (क) 'मोल' शब्द में उचित उपसर्ग जोड़कर नया शब्द बनाइए।
(ख) 'आऊ' प्रत्यय का प्रयोग करते हुए एक नया शब्द बनाइए।
3. 'सांप' शब्द का तत्सम रूप लिखिए।
4. (क) रात' शब्द के दो पर्यायवाची शब्द लिखिए।
(ख) ' उत्तीर्ण' शब्द का विलोम शब्द लिखिए।
(ग) निम्न वाक्यांश का एक शब्द लिखिए -
अनुकरण करने योग्य
किए गए उपकार को न मानने वाला
5. (क) निम्न शब्दों की संधि -विच्छेद कीजिए -
महर्षि, आशीर्वाद, सर्व औषधी
6. (क) निम्न समस्त पद का विग्रह करके समास के भेद का नाम लिखिए -
प्रयोगशाला, पीतांबर, पंजाब, चतुर्भुज
(ख) नीचे दिए गए विग्रह का समस्त पद बनाकर समास के भेद का नाम लिखिए -
तीन वेणियों का समाहार, तीन रंगों का समूह
7. (क) रचना के आधार पर वाक्य का भेद बताइए -

सभी बच्चे चाहते हैं कि उनके शिक्षक स्नेह पूर्ण व्यवहार करें।
जोर से मत बोलो।

8. (क) निम्न मुहावरे का वाक्य में प्रयोग कीजिए -
एड़ी चोटी का जोर लगाना, दिन में तारे दिखाना

परियोजना कार्य

9. हम पंछी उन्मुक्त गगन के शीर्षक कविता में जो चित्र आया हुआ है उसे बनाते हुए आजादी के महत्व को बताते हुए एक स्वरचित कविता लिखें !
10. निम्न में से किसी एक विषय पर अनुच्छेद लिखिए -
(क) स्वास्थ्य की रक्षा (ख) परोपकार
11. देश में स्वच्छता अभियान चलाया जा रहा है। इसके बावजूद लोग अपने आसपास के वातावरण में स्वच्छता का ध्यान नहीं रखते। इस विषय पर दो मित्रों के बीच हुई बातचीत को संवाद के रूप में लिखिए।
12. छात्रावास में अपनी दिनचर्या का वर्णन करते हुए माता जी को पत्र लिखिए।

SUBJECT: SANSKRIT

1. पाठ 1 और 2 के सभी प्रश्नोत्तर याद करें।
2. उपसर्ग --2 लिखें तथा याद करें। (पृष्ठ संख्या 11) उपसर्ग
वाक्य -प्रयोग के साथ लिखें। (पृष्ठ संख्या 12) अव्ययपद लिखें
तथा वाक्य -प्रयोग के साथ लिखें।
3. शब्द-रूपाणि---राम, लता, फल, मुनि, साधु, किम् (तीनों लिङ्गों में)
अस्मद् , युष्मद् , भवत् (पुल्लिङ्ग) लिखें तथा याद करें।
4. धातु- रूपाणि ----पठ् , गम् , दृश् स्था , स्मृ , भू , अस् , वद् , कृ , पा ,
लिख् , नम् , (5 लकारों में)
आत्मनेपदी -- सेव् , लभ् , रूच् शुभ् , (के वल लट् लकार में)
नोट -- (सुरभि पुस्तक में सभी शब्द रूप, धातु रूप पिछले पृष्ठ में हैं।)
5. परियोजनाकार्यम् -- पाठ --2 पृष्ठ संख्या--13,14,15,16, में से किसी पृष्ठ संख्या
का दो चित्र चार्ट पेपर पर बनाकर (5 वाक्य संस्कृत में लिखें)

SUBJECT: MATHEMATICS

CHAPTER (1) SQUARES AND SQUARE ROOTS

- (1) How many non-square numbers lie between the following pairs of numbers?
(i) 7^2 and 8^2 (ii) 205^2 and 206^2
- (2) Which of the following triplets are Pythagorean?
(3, 4, 5); (6, 7, 8); (10, 24, 26); (2, 3, 4)
- (3) Find the square root of each of the following by Prime factorisation.
(i) 8281 (ii) 28900
- (4) Find the smallest number by which 1100 must be multiplied so that the product becomes a perfect square. Also, find the square root of the perfect square so obtained.
- (5) By what smallest number must 180 be multiplied so that it becomes a perfect square? Also, find the square root of the number so obtained.

- (6) The area of a square field is 5184 m^2 . A rectangular field, whose length is twice its breadth, has its perimeter equal to the perimeter of the square field. Find the area of the rectangular field.
- (7) Find the value of $\sqrt{47089} + \sqrt{24336}$
- (8) Find the square root of the following numbers by the long division method.
 (i) 363609 (ii) 1471369
- (9) Find the least number which must be subtracted from 6203 to obtain a perfect square. Also, find square root of the number so obtained.
- (10) Find the least number must be added to 6203 to obtain a perfect square. Also, find the square root of the number so obtained.
- (11) Find the value of $\sqrt{64432729} - \sqrt{9653449}$
- (12) Find the value of $\sqrt{50625}$ and hence the value of
 $(\sqrt{506.25} + \sqrt{5.0625})$

CHAPTER (2) CUBES AND CUBE ROOTS

- (13) Find the smallest number by which 2560 must be multiplied so that the product is a perfect cube.
- (14) Find the smallest number by which 8788 be divided so that the quotient is a perfect cube.
- (15) Find the cube root of the following by Prime factorisation.
 (i) 216000 (ii) 21952
- (16) Find the cube root of the following integers.
 (i) -2744000 (ii) - 474552
- (17) Find the cube root of the following numbers through estimation.
 (i) 10648 (ii) 110592
- (18) Find the smallest number by which 16384 be divided so that the quotient may be a perfect cube.
- (19) Three numbers are in the ratio 2:3:4. The sum of their CUBES is 33957. Find the numbers.
- (20) Evaluate: $\sqrt[3]{288^3 \sqrt{72^3 \sqrt{27}}}$

PROJECT WORK

Do the project work on a chart paper.

1. Define triangular numbers and draw it's dot pattern on chart paper.
2. Write Facts about perfect squares on chart paper of your Maths book from page no.2 to 3.
3. Write the Squares and CUBES of natural numbers from 1 to 30. On chart paper.

SUBJECT: SCIENCE

Physics

1. For a force to come into play, the two concerned bodies must _____ with each other.
2. To draw water from a well, we have to _____ the rope.
3. An unbalanced force, acting on a moving object, may change its _____ and/or its _____.
4. In the game of cricket, the 'bails' fall when the ball strikes them. This is an example of a/an _____ force

5. For a force to come into play, the two concerned bodies must _____ with each other.
6. To draw water from a well, we have to _____ the rope.
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11. An unbalanced force, acting on a moving object, may change its _____ and/or its _____.
12. In the game of cricket, the 'bails' fall when the ball strikes them. This is an example of a/an _____ force
13. An object experiences a net non-zero force. Is it possible for the object to move with a constant speed along a straight line
14. Distinguish between:
 - (a) balanced and unbalanced forces.

Chemistry

1. Name two soft metals which can be cut with a knife
2. Which non-metal is essential for our life and all living beings inhale it during breathing?
3. Name two major non-metals which are present in fertilisers and enhance the growth of plants.
4. Which non-metal is used to disinfect water?
5. A purple-coloured non-metal forms a brown solution in alcohol which is applied on wounds as an antiseptic. Name the non-metal.
6. Zinc sulphate forms a colourless solution in water. Will you observe any colour on adding copper turning in it?
7. Why are bells made of metals?
8. Which liquid metal is used for making thermometers?
9. Which of the following metals can displace the other two metals from their salt solutions? zinc, iron, copper.
10. State the property of non-metals due to which phosphorus is kept in water.

Biology

- A) Multiple choice questions.
1. Cheek cells do not have

a. Nucleus	b. Plastids	c. Cell membrane	d. Golgi apparatus
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 2. Cytoplasm and nucleus make

a. Plant cell	b. Protoplasm	c. Chromatin	d. None
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 3. Which pair is responsible for inheritance of characters?

a. Cell membrane and cell wall	b. Chromosomes and genes
c. Chloroplasts and cell membrane	d. Chromosomes and mitochondria
 4. Plastids that help in the storage of starch and proteins are——-.

a. Chloroplasts	b. Chromoplasts	c. Leucoplasts	d. All of these
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5. The unit used for measurement of the cell size is——.

- a. Millimetre b. Centimetre c. Micrometre d. Decimetre

B) Answer the following.

1. Rohan has a small lawn in his house, having a number of flowers. He is amazed at the beautiful colours and asks his teacher ' what makes the flowers so colourful?'
2. While observing onion peel cells, what is the dark structure in the centre of the cells found to be? Mention two of its functions.
3. Why are nerve cells long and fibre-like? Discuss.
4. Explain the role of ribosomes present on the Rough ER.

C) Give reasons for the following.

1. Tomatoes are red in colour.
2. Plant cells contain large vacuoles.
3. Cells remained undiscovered for a long, long time.

PROJECT WORK

Make a model of plant/ animal cell.

SUBJECT: SOCIAL SCIENCE

HISTORY

1. Write All Do you know from lesson 8 th and 10th.
2. Write all keywords and Group
 - A. (Tick the correct option)
 - B. (Fill in the blanks)
 - C. (Match the following)
 - D. (Answer the following question)from chapter 8 and 10th.
3. Write short notes on the following term::
 - A. Parmanent Revenue System.
 - B. Ryotwari System
 - C. Mahalwari System
 - D. Birsa Movement

Project Work

Collect the popular slogans used during the freedom struggle of India and write them on chart paper.

Geography

- 1) Write and learn all Q\ A of chapter 1and 2 A, B, C, D and E.
- 2) Also, complete map skill of chapter 1 and 2.

Project work

Draw and colour a picture of Hydrological cycle.

Civics

1. Define a constitution.
2. When did the Indian Constitution come into force ?
3. Who is known as the "Father of the Indian constitution" ?
4. What is the significance of the Preamble ?
5. How long did it take to frame the Indian Constitution ?
6. What is the purpose of a Constitution ?
7. Why is India called a 'Secular state' ?
8. Mention any two key features of the Indian Constitution.
9. What is the difference between a rigid and flexible constitution ?
10. Why is the Indian Constitution called dynamic ?

PROJECT WORK:

Constitution – The Backbone of Indian Democracy

Introduction: A Constitution is a set of fundamental rules and laws that guide how a country is governed. It is essential for maintaining order and democracy.

What is Constitution?: It is a written document that defines the structure of government, powers of authorities, and rights of citizens.

Importance: It provides rules, protects rights, limits government power, and ensures equality among citizens.

Key Features Federal system: Parliamentary system, Secularism, Fundamental Rights.

Fundamental Rights: Right to Equality, Freedom, Against Exploitation, Freedom of Religion, Cultural and Educational Rights, Constitutional Remedies.

Role in Democracy: Ensures justice, equality, accountability and gives power to the people.

Example Citizens can approach courts if their rights are violated.

Conclusion The Constitution is the backbone of democracy and ensures smooth functioning of the country.

Subject: Drawing

Complete Pg. No.- 1 to 10 with colour