



SAINIK SCHOOL BHUBANESWAR

SUMMER VACATION TASK 2020 – 21 (CLASS VIII)

BIOLOGY

1. Locate on the outline map of India the national parks of our country.
2. Collect the seeds of any 05 varieties of kharif crops.
3. Collect the seeds of any 05 varieties of rabi crops.
4. Draw and explain the sprinkler system of irrigation on a chart paper.
5. Draw and explain the drip system of irrigation on a chart paper.
6. Find out an innovative method or approach which can be applied in our agricultural processing.
7. Write an essay on the problems faced by Indian farmers and how government is helping in finding out solutions.
8. Mention the steps taken to protect the stored grains in the godowns. (at least 05 points).
9. Name the vaccines taken in our childhood and the diseases which these vaccines provide immunity.
10. Name the four traditional method of irrigation followed in our country. Explain any one of them.



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HIGHER ORIYA

୧. ୧୫୦ ଶବ୍ଦ ମଧ୍ୟରେ ଉଚ୍ଚର ଲେଖ - ଆହୁତି ଏକାଙ୍କିକାରେ ତୁମକୁ ସବୁଠାରୁ କେଉଁ ଚରିତ୍ରଟି ଭଲ ଲାଗୁଛି ଓ କାହିଁକି ସେ ସମ୍ପର୍କରେ ଏକ ଅନୁଛେଦ ଲେଖ ।
୨. ସୁନାନେଉଳ ଏକାଙ୍କିକାରେ ନିଃସ୍ୱାର୍ଥ ଦାନର ମହତ୍ତ୍ୱ ଏବଂ ଦାତାଙ୍କର ମହନୀୟତା କିପରି ପ୍ରତିଫଳିତ ଲେଖ ।
୩. ତୁମର ପରିତୁଷ୍ଟି ପାଇଁ ମୋର ଏତେ ଦିନର - ବୃକ୍ଷରେ ଗୋଟିଏ ମାତ୍ର କୀଟ ମୁଁ ଛାଡ଼ିପାରେନା- ସରଳାର୍ଥ ଲେଖ ।
୪. ଆରେ ନିର୍ଦ୍ଦୋଧ ଏ କଣରେ ? ଆଛା ବୁଝିବୁ - ସରଳାର୍ଥ ଲେଖ ।
୫. ସାଂପ୍ରତିକ କାଳରେ ବୈଜ୍ଞାନିକ ମନୋବୃତ୍ତିର ଆବଶ୍ୟକତା କେତେ ବୁଝାଇ ଏକ ଅନୁଛେଦ ଲେଖ ।
୬. ପ୍ରବିଧି ବିଜ୍ଞାନର ଉନ୍ନତିରେ ସମାଜର କଣ ଉପକାର ହେଉଛି ବୁଝାଇଲେଖ ।
୭. ଭାରତର ସ୍ୱାଧୀନତା ଆନ୍ଦୋଳନରେ ଲବଣ ସତ୍ୟାଗ୍ରହର ଭୂମିକା କଣଥିଲା ବୁଝାଇ ଲେଖ ।
୮. ଗୁରୁଭକ୍ତି ହିଁ ଶିକ୍ଷ୍ୟକୁ ମଣିଷ ପରି ମଣିଷଟିଏ କରିପାରି ଥାଏ - କିପରି ବୁଝାଇ ଲେଖ ।
୯. ସେବା ହିଁ ପରମ ଧର୍ମ କିପରି ବୁଝାଇ ଲେଖ ।
୧୦. କ୍ଷମାର ମହତ୍ତ୍ୱ ସଂପର୍କରେ ବର୍ଣ୍ଣନା କରି ଏକ ଅନୁଛେଦ ଲେଖ ।
୧୧. ଜତୀୟ ପତାକା ଦେଶର ଚେକ ରଖେ କିପରି ଲେଖ ।
୧୨. ଶିକ୍ଷାଦୀକ୍ଷା କବିତାରୁ କଣ ବୁଝିଲ ଲେଖ ।
୧୩. ମାତୃଭାଷାର ଗୁରୁତ୍ୱ ବର୍ଣ୍ଣନା କରି ଏକ ଅନୁଛେଦ ଲେଖ ।
୧୪. ପଠିତ କବିତାରେ କବି କି ଉଦ୍‌ବୋଧନ ଦେଇଛନ୍ତି ଲେଖ ।
୧୫. ବୃକ୍ଷମାନଙ୍କ ଜୀବନ ଧନ୍ୟ କିପରି ବୁଝାଇଲେଖ ।



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GEOGRAPHY

1. Create a tourist leaflet for any one of the famous tourist spot in your region. Mention the places to visit there along with its physical features.
2. Design a poster to create awareness among people about the need to conserve energy.
3. Talk to some elderly person in your family and collect information about changes in the land use over years, where you live. Write down these changes in your note-book.
4. On a sheet of paper draw two columns. Label one column as 'Activity' and other column as amount of water you use to do these activities. Write the final count in liters, which will denote your consumption of water in a day.
5. You know that the Indo-Gangetic Plains are the most densely populated regions of India. Complete the following table about the Indian states lying in the Indo-Gangetic plains.

Name of the State	Total area	Total Population	Population density per sq km.



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HINDI

१. कारक की परिभाषा बताते हुए प्रत्येक कारक एवं उनके विभक्ति चिह्नों को दर्शाता हुआ एक सुंदर चार्ट बनाइए।
२. 'टोपी' कहानी को पढ़कर आपको अपने जीवन का लक्ष्य प्राप्त करने की प्रेरणा किस प्रकार से मिलती है? (१५० शब्दों में बताइए।)
३. निम्नलिखित विषयों पर अनुच्छेद लिखिए।
 - (क) कोरोना वायरस
 - (ख) मेरे सपनों का भारत कैसा हो?
 - (ग) देश के विकास में महिलाओं की भूमिका
४. अपने क्षेत्र में स्वास्थ्य सुविधाओं की बुरी स्थिति का वर्णन करते हुए अपने जिलाधिकारी को एक पत्र लिखिए।



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SUMMER VACATION TASK 2020 – 21 (CLASS VIII)

ENGLISH

1. Prepare a chart depicting all the Tenses, Verb forms giving 3 examples in each.
2. Write a paragraph on the present pandemic in the whole World – COVID - 19.
3. Write a letter to your District Collector requesting him to ensure the Lock down in your locality giving reasons and measures.
4. Write a report on the NCOVID –19 cases in your district and steps taken by the local authorities to save the people of your area including the behavior of the local people and the problems faced by them.
5. Draw a cartoon / poster showing the ill-effects of Corona Virus and the precautions and reasons for its spread.



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SUMMER VACATION TASK 2020 – 21 (CLASS VIII)

CHEMISTRY

1. Write briefly on usage of exhaustible source of energy and their conservation.
2. Write down the various methods to control fire and also use of fire extinguisher in case of emergency.

SCRAP BOOK WORK

3. Write the name of the metallic substances(at least 10)used in your home and also paste pictures in scrap book mentioning the use of it .
4. Collect pieces of cloth made up of different synthetic fibers (at least 5) .Mention the name of the synthetic fiber and paste them in your scrap book.

MAP WORK

5. Find out the locations of the deposits of iron, aluminum and zinc in India. Mark these in an outline map of India.
6. Get an outline map of India. Mark the places in the map where coal, petroleum and natural gas are found. Show the places where petroleum refineries are situated.



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LOWER HINDI

१. आपको अच्छे लगने वाले हिंदी के किन्हीं २५ शब्दों से वाक्य बनाएँ।
२. आपने लॉकडाउन के समय में क्या सृजनात्मक कार्य किया , उसके बारे में बताते हुए अपने शिक्षक को पत्र लिखें।
३. स्कूल मैगजीन के लिए अपने मन से कोई कविता, कहानी, निबंध, चुटकुला, रोचक तथ्य, जीवनी या कोई ऐसी घटना का वर्णन करें जिससे आपके सकारात्मक विचार और दृढ़ हुए हों।
४. विश्व महामारी कोरोना संबंधित जानकारी एकत्रित करें और उससे बचने का उपाय बताते हुए एक परियोजना कार्य तैयार करें।
५. कक्षा ७ में पढ़ाई गई कौन-सी कविता आपको अच्छी लगी , उसे कलात्मक ढंग से लिखें।



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MATHEMATICS

1. Show that 5292 is not a perfect square.
2. Find the smallest no. by which 10125 must be multiplied so that the product is a perfect square.
3. Find the smallest no. by which 12096 should be divided so that the result is a perfect cube.
4. A metallic cuboids measuring $0.12 \times 0.09 \times 0.02$ is melted and formed into a cube. Find the side of the cube.
5. If $3^{2x+3} = 19683$, find x .
6. Evaluate $[4(27^{1/3} + 64^{1/3})^3]$
7. Harbhajan gains 5% by selling his old scooter for Rs6720.If he sells it for Rs 6500,find his loss or gain.
8. Selling price of 2 oranges is the same as the cost price of 3 oranges. Find the gain percent.
9. Factorise $-x^2 + x + 42$
10. Expand $\{3x + (-1/5) + 2y\}^2$
11. Expand $(6x - 5y)^3$
12. Find $x^3 + 1/x^3$ if $x + 1/x = -6$
13. Evaluate using identities $(1005)^3$
14. Factorise $2x^2 + y^2 + 8z^2 - 2\sqrt{2}xy - 4\sqrt{2}yz + 8xz$
15. The difference between the ages of two persons is 10 years.15 years ago, if the elder one was twice as old as the younger one Find their present ages?
16. The sum of two numbers is 2490.If 6.5% of one number is equal to 8.5% of the other, find the numbers.
17. The difference of two positive numbers is 72 and the quotient obtained on dividing the one by the other is 4. Find the numbers.
18. A transversal cuts two parallel lines . The interior angles on the same side of the transversal are in the ratio 2:3.Find the angles.

19. Draw a line segment AB of length 7.2cm. Find a point on it such that it divides AB in 2:3 ratio What is the length of each part?
20. In $\triangle ABC$, $PQ \parallel BC$.If $AP:PB = 4:5$ then find $CQ:AQ$ (Draw the fig).
21. Two adjacent angles of a parallelogram are in 2:3 ratio Find the measure of each angle of the parallelogram.
22. The length of each diagonal of a quadrilateral is 12cm.The diagonals also bisect each other at right angles. What special name can you give to this quadrilateral.
23. In a parallelogram PQRS the bisectors of $\angle P$ and $\angle C$ meet at O. Find $\angle POC$.
24. The sum of two numbers is 45 and their ratio is 7:8. Find the numbers.
25. The radii of two circles are in the ratio 3:4then find the ratio of their areas.



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COMPUTER SCIENCE

Exercise-1

1. Create a new database , save it on the desktop and name it “school Database”.
2. Create a Table in the School Database with the following:

Field Name	Data Type	Field Size or Format
ID Number	Text	10
Name	Text	15
Surname	Text	15
Telephone Number	Number	Long Integer
Date of Birth	Date/Time	Medium Date
Foreigner	Yes/No	Currency
Stipend	Currency	Yes/No

3. Make the “ID Number” Field as the Primary Key.
4. Save the table as “Student’s Table”.
5. Return to the main Access window.

Exercise-2

1. Open the “Students Table” and enter 5 complete records.
2. Sort the table in ascending order by surname.
3. Move the Date of Birth and Telephone Number fields so that the Date of Birth field is now directly after the surname field.
4. Delete the last Record you have entered.
5. Change the field size of the surname to 20.

Exercise-3

1. Create a Form with all fields on the Student’s Table.
2. Name the form Students Entries.
3. Make the ID Number of Each students in the form , Red
4. Insert a picture in the form in way that all text is visible.

Exercise-4

1. Create a Report based on the Student’s Table showing the Fields Name, Surname, and Telephone Number.
2. Name the report Telephone List.
3. Insert a picture in the report Header.

Exercise-5

1. Create a query, showing all fields of those students who have a particular surname of your choice.
2. Create another query showing all fields of those students born after 1987.
3. Create a query showing only the student's Name, Student's Surname and Student's Date of birth.