

Summer Vacation Task:
Class – VIII (BIOLOGY)

1. Draw or paste the pictures of agriculture implements. (at least 5 in nos).
2. What are the problems faced by farmers in our country?
3. Excessive use of chemicals leads to infertility of soil. Give reason.
4. Write down the meaning of:
(a)Crumbs b)Fodder Crop c)Fallow Land d)Crop Rotation e)Legumes
5. Name any 5 chemical fertilizers.

SAINIK SCHOOL BHUBANESWAR

CLASS- VIII

SUBJECT- CHEMISTRY

Answer the following questions.

1. Give one word for the following.
 - (a) A substance having a single unit structure.
 - (b) A substance with numerous units joined together.
 - (c) Process of monomers joining together to form a polymer.
 - (d) A plastic on which oil and water do not stick and withstands high temperatures.
 - (e) Plastic which is a poor conductor of heat and used for making handles of cooking utensils.
 - (f) Plastic which resist fire and used for coating firemen's uniform.
2. Fill in the blanks.
 - (a) Wool is a fibre.
 - (b) Plastic made from ethylene is called
 - (c) Tensile strength of nylon is than that of cotton.
 - (d) Melamine is a plastic.
 - (e) is the synthetic fibre used as wool.
3. How is thermosetting plastic different from thermoplastic?
4. Name a fibre which is more cellulose and less of plastic.
5. Name the fibre obtained by chemical treatment of shredded cotton.
6. Give two uses of acrylic.
7. Which synthetic fibre is also called artificial silk?
8. What are the properties of plastic which has made it more useful material?
9. Why should housewives not wear synthetic wear while working on a stove in the kitchen?
10. What do the following stand for: PVC, PET.
11. Have you heard of the campaign: "SAY NO TO PLASTICS". Coin a few more slogans of this kind.

SUMMER VACATION TASK 2019

PHYSICS

CLASS VIII

1. Gather good amount of information about any one of the scientists like Newton, Einstein etc or any new scientific inventions and make a power point presentation including pictures.

OR

Make a short film (video) by showing usage of science in various fields or making people aware of scientific facts / simple science experiments.

OR

Write a drama / script with the content 'superstitious beliefs retold by science'

2. Think of / come up with new scientific ideas or new science exhibits or projects which can be used by the school for upcoming science exhibitions
3. Discuss briefly about atmospheric pressure.
4. Draw a chart paper showing 'effects of force'.
5. Solve all exercise questions of chapter 'FORCE AND PRESSURE' of science text book.
6. Solve all the questions of chapter 'FORCE AND PRESSURE' of science exemplar.
7. Try to read chapter 'Friction' and write its synopsis.
8. **PROJECT:**
Give the brief account of the increased Earth quakes this year in different places of our country. Support your answers with newspaper reports, articles, pictures from magazines etc. Discuss briefly the preparedness on behalf of people, government etc.

SUMMER VACATION TASK- 2019

CLASS – VIII , SUB – MATHEMATICS

QUESTIONS FROM TEXT BOOK.

Chapter -1 : RATIONAL NUMBERS

Exercise 1.1 – Q-1.

Exercise 1.2 – Q-1 & 4.

Chapter – 2 : LINEAR EQUATIONS IN ONE VARIABLE

Exercise 2.2 – Q – 2 , 8 , 9 , 13 ,& 14.

Exercise 2.3 – Q – 6 , 7 & 10.

Exercise 2.4 – Q – 3 , 4 , 8 & 10.

Exercise 2.5 – Q – 2 , 5 , 6 & 10.

Exercise 2.6 – Q – 4 & 5 .

QUESTIONS FROM REFERENCE BOOK.

Q1 If $x = \frac{2}{3}$, $y = \frac{6}{5}$ and $z = 3$, then the value of $(x \div y) \div z$ is equal to

Q-2. Find four rational numbers between -2 and -1 are

Q-3 The additive inverse of $\frac{29}{24}$

Q-4 The multiplication inverse of $1\frac{4}{5}$ is

Q-5. Any 3 rational numbers between -2 and 0 are

Q-6. The rational number that does not have a reciprocal is

Q-7 The rational numbers that are equal to their reciprocals are

Q-8. The rational number that is equal to its negative is

Q-9. The number of rational numbers found between two rational numbers is

Q-10. The value of $\frac{3}{-5} \times \frac{2}{3} + \frac{5}{2} - \frac{2}{3} \times \frac{6}{7}$

Q-11. Multiplicative identity for rational numbers is

Q-12. Additive identity for rational numbers is

Q-13. Additive inverse of $-\frac{2}{3}$ is

Q-14. Using appropriate properties find : $\frac{2}{5} \times \left(-\frac{3}{7}\right) - \frac{1}{6} \times \frac{3}{2} + \frac{1}{14} \times \frac{2}{5}$

Q-15. Find four rational numbers between $\frac{2}{3}$ and $\frac{4}{5}$.

Q-16. Solve : $5x - 2(2x - 7) = 2(3x - 1) + \frac{7}{2}$

Q-17. The ages of Hari and Ramesh are in the ratio 5 : 7. Four years from now the ratio of their ages will be 3 : 4 . Find their present ages.

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CLASS-VIII GEOGRAPHY

- Q.1 What are the characteristics of resources ?**
- Q.2 Justify the statement that the utility and value of resources vary with time and place with suitable examples.**
- Q.3 Make a flow chart of classification of resources .**
- Q.4 What do you mean by sustainable development ?**
- Q.5 Write down some principles of sustainable development.**
- Q.6 Why human resources is the most important resources ?**

VACATION TASK
CLASS – VIII(HISTORY)

INDIAN CONSTITUTION:

1. Cover page
2. Acknowledgement
3. Content
4. Preamble
5. Our National Flag
6. Our National Emblem(Picture)
7. Our National Anthem(Full Song)
8. Our National Song
9. Our Indian constitution – Key features
10. A sovereign state
11. A secular state
12. Parliamentary Democracy
13. Fundamental Rights
14. Directive Principles
15. Fundamental duties
16. Single Citizenship
17. Sharing of power between Executive,Legislative,Judiciary
18. Independent Judiciary
19. A Federal state
20. A socialist state
21. A Republic state
22. Our Prime Minister (Picture)
23. Our President(Picture)
24. Contribution of Dr.Bhima Rao Ambedkar in making the constitution
25. Important information on our constitution.

VACATION TASK SUMMER BREAK 2019

CLASS VIII– ENGLISH

1. Write and learn the Qtn Ans of the chapters taught to you in the class along with the exercises given in the text books.
2. Read the first three chapters of the supplementary reader and solve the exercises in your note books.
3. Write an Article/Poem on any topic of your choice for the school magazine.
4. Write a letter to the S.P. of your district to look after the excessive theft cases in your locality.
6. Write a paragraph on the given topics in 150-200 words –
 - a. India of my dreams.
 - b. Importance of discipline.
 - c. If I were the school captain.
 - d. Role of media.
7. Write a letter to your friend staying abroad describing your studies and activities in your school.
8. Write and learn the first three poems of your reader book along with the exercises in your notebooks.

VACATION TASK

CLASS- 8 (LOWER HINDI)

१. १०० शब्दों में अनुच्छेद लिखो -

- क. मेरा मित्र
- ख. वृक्षों का महत्व
- ग. होली
- घ. मेरा घर
- ङ. मेरा भारत

२. १०० शब्दों में पत्र लिखो -

- क. आलस से बचने की सलाह देते हुए अपनी छोटी बहन को पत्र ।
- ख. अपनी किसी गलती की वजह से नाराज पिता से क्षमा माँगते हुए पत्र ।
- ग. अपनी कक्षा की विशेषता बताते हुए अपने मित्र को पत्र ।

३. विज्ञापन बनाओ -

- क. घड़ी
- ख. बिसलरी पानी बोतल
- ग. चॉकलेट

४. पुष्प की अभिलाषा कविता के प्रश्न-उत्तर लिखो ।

५. दस शिष्ट व्यवहारों के नाम लिखो ।

६. दस अशिष्ट व्यवहारों के नाम लिखो ।

७. अपने मन से एक कविता लिखने की कोशिश करो ।

SAINIK SCHOOL BHUBANESWAR 2019-20

VACATION TASK

CLASS- VIII (HIGHER HINDI)

१. ' ध्वनि ' कविता एवं 'लाख की चूड़ियाँ ' पाठों को पढ़कर प्रश्नों के उत्तर लिखिए ।
२. अपनी किसी बस /रेल यात्रा का १५० शब्दों में वर्णन कीजिए।
३. निम्नलिखित पर अनुच्छेद लिखिए -
क. अनुशासन का महत्त्व ख. समय पालन
४. निम्नलिखित को पत्र लिखिए -
क. अपने मित्र को परीक्षा में प्रथम आने पर बधाई देते हुए।
ख. अपने स्वास्थ्य के प्रति सजग रहने के लिए छोटे भाई को।
५. भारत की खोज पृष्ठ १७ - ४५ तक को पढ़कर २० कठिन शब्द एवं उनका अर्थ लिखिए ।
६. कुल २० शब्दों के ३-३ समानार्थी शब्द लिखकर उनको याद भी कीजिए ।
७. ३० शब्दों के विलोम शब्द लिखिए ।
८. २० मुहावरे लिखकर उनका अर्थ बताते हुए वाक्य बनाइए ।

SAINIK SCHOOL BHUBANESWAR
SUMMER VACATION TASK – 2019

Class – VIII

LOWER ODIA

ସମସ୍ତ ପ୍ରଶ୍ନର ଉତ୍ତର ଦିଅ

୧. ‘ସେହି ମୋ ପ୍ରିୟ ଜନମ ଭୂଇଁ’ କବିତାଟି ଲେଖ ।
୨. ଆମ ଜନ୍ମଭୂମିର ନାମ କ’ଣ ?
୩. ଜୀବନପରି ଆମକୁ କିଏ ପାଲୁଛି ?
୪. ଡାଳରୁ ଡାଳ କିଏ ଉଡ଼ୁଥାଏ ?
୫. ବିମଳଶଶୀ କିଏ ଢାଳେ ?
୬. ବାଜଲହରୀ କାହାର ଚରଣ ଧୁଏ ?
୭. କେଉଁଠି ଆପଣା-ପର ବିରୁଦ୍ଧ ନାହିଁ ?
୮. ଆମେ କାହାର ନାମ ରଖିବା ?
୯. କେଉଁମାନେ ଆମର ଭଉଣୀ ଭାଇ ଅଟନ୍ତି ?
୧୦. ଆମେ ଜନ୍ମଭୂମିର ନାମ କିପରି ରଖିବା ?
୧୧. ତୁମ ଦେଶ ବିଷୟରେ ୨୦ ଧାଡ଼ି ଲେଖ ।
୧୨. ତୁମ ପ୍ରିୟ ଶିକ୍ଷକଙ୍କ ବିଷୟରେ ଲେଖ ।
୧୩. ତୁମ ପ୍ରିୟ ଲେଖକଙ୍କ ବିଷୟରେ ଲେଖ ।
୧୪. ଭାରତ ମାନଚିତ୍ର ଆଙ୍କି ରାଜ୍ୟଗୁଡ଼ିକୁ ଚିହ୍ନାଅ ।
୧୫. ତୁମ ରାଜ୍ୟର ମାନଚିତ୍ର କରି ଜିଲ୍ଲାଗୁଡ଼ିକୁ ଚିହ୍ନାଅ ।

Class VIII / Higher Odia

- 1- Write the Poem Brukhyamahatma and write all the question answer of this lesson .
- 2- Write all the question answer of story Dakamunshi .
- 3- Write the Poem Jala and write all the question answer of this lesson
- 4- Write Essay- Ekatahin Bala ,Chatrara kartbya ,Samayanubartita , Odishara Parbaparbani.

CLASS-8

A. Fill in the blanks:

1. _____ is the most commonly used network card.
2. _____ is used to connect computers.
3. The process of converting analog to digital is called _____.
4. A _____ computer provides services to clients and controls access to hardware , software and other resources.
5. _____ network has no central server.

B. Answer the following:

1. Explain Client-Server network.
2. Differentiate between WAN and LAN.
3. What is a computer network? How is it useful ?
4. Explain the components of wired networking.
5. Differentiate between hub and switches.