St. Vivekanand Public School, Sadabad

Summer Holiday Home Work for 2024-25

Class -IX

Note:

1. Untidy and incomplete work will not be accepted.
2- School will re-open on 01th July 2024.
3- You can download this holiday homework from our **website - svpssadabad.org**

ENGLISH

1- You think that there should be moral education in schools. Write a letter to the editor of a newspaper, stressing the need of introducing moral education in schools.

2- Write a short note on "World Environment Day" in about 100 to 120 words.

3- Learn and prepare all syllabus which has completed.

NOTE: Do all the work in your language notebook.

HINDI

1. अपने मोहल्ले में मच्छरों के प्रकोप का वर्णन करते हुए उचित कार्यवाही करने के लिए स्वास्थ्य अधिकारी को पत्र लिखिए ।
2. उचित शीर्षक देते हुए एक कहानी लिखिए जिसमें शिक्षा मिलती हो– भाग्य के भरोसे हाथ पर हाथ रखकर नहीं बैठना चाहिए भाग्य भी उन्हीं का साथ देता है जो कर्म में विश्वास रखते हैं ।
3. बाजार से अपने लिए पर्स खरीदते समय दुकानदार और ग्राहक के बीच हुई बातचीत को संवाद रूप में लिखिए।
4. विवेकानंद पब्लिक स्कूल के प्रधानाचार्य के रूप में आप अपने विद्यालय में शुरू किए जाने वाले व्यावसायिक पाठ्यक्रम की सूचना देने के लिए एक सूचना पत्र तैयार कीजिए ये सूचना पत्र आम जनता के लिए दैनिक अखबार में दिया जाना है ।
5. महिलाओं के प्रति बढ़ते अपराध को रोकने के लिए हाथरस महिला थाना स्थापित किए जाने हेतु महिला आयोग की अध्यक्षा की ओर से राज्य के मुख्यमंत्री chiefminister@up.gov.com को एक ई–मेल लिखिए ।
6. 'वाणीः मन का आईना' विषय पर 150 शब्दों में अनुच्छेद लिखिए ।

नोट–ये सभी कार्य **Assignment notebook**में करना है ।

MATHS

1. Represent the real number $\sqrt{5}$ on the number line.
2. Represent the real numbers on $\sqrt{2}$,$\sqrt{3}$ and $\sqrt{5}$ on a single number line.
3. Find two rational number and two irrational number between $\sqrt{2}$ and $\sqrt{3}$.
4. Find the decimal expansions of $\frac{10}{3}$, $\frac{7}{8}$ and $\frac{1}{7}$.
5. Show that 3.152678 is a rational number. In other words, express 3.152678 in the form of $\frac{p}{q}$, where p and q are integers and $q \neq 0$.
6. Show that 0.3333333…… is a rational number. In other words, express 0.3333333…… in the form of $\frac{p}{q}$, where p and q are integers and $q \neq 0$.
7. Show that 0.63787878787878787…… is a rational number. In other words, express 0.63787878787878787…… in the form of $\frac{p}{q}$, where p and q are integers and $q \neq 0$.
8. Show that $0.\overline{342}$ is a rational number. In other words, express $0.\overline{342}$ in the form of $\frac{p}{q}$, where p and q are integers and $q \neq 0$.
9. Show that $0.33\overline{342}$ is a rational number. In other words, express $0.33\overline{342}$ in the form of $\frac{p}{q}$, where p and q are integers and $q \neq 0$.
10. Show that $0.3\overline{42}$ is a rational number. In other words, express $0.3\overline{42}$ in the form of $\frac{p}{q}$, where p and q are integers and $q \neq 0$.
11. Find the value of a and b in each of the following:

    I. $\frac{3+\sqrt{2}}{3-\sqrt{2}} = a + b\sqrt{2}$ II. $\frac{5+\sqrt{7}}{5-\sqrt{7}} = a + b\sqrt{7}$

    III. $\frac{7+\sqrt{5}}{7-\sqrt{5}} = a + b\sqrt{5}$ IV. $\frac{10+\sqrt{2}}{10-\sqrt{2}} = a + b\sqrt{2}$
12. Express following in the form of $\frac{p}{q}$, where p and q are integers and $q \neq 0$.

    I. $0.34 + 0.\overline{23}$ II. $0.4 + 0.\overline{23} + 0.\overline{32}$

    III. $0.4 + 0.\bar{2} + 0.5$ IV. $0.\bar{2} - 0.2 + 0.\overline{25}$
13. By using BODMAS rule, simplify following in the form of $\frac{p}{q}$, where p and q are integers and $q \neq 0$.

    I. $(0.34 + 0.\overline{23})0.2 - (0.\bar{2} - 0.2)$ II. $0.4 \div 0.\bar{2} \times 0.\bar{5} - 0.\bar{2}$

    III. $0.\bar{2} - 0.32 \div 0.\bar{2} + \overline{0.43}$ IV. $0.234 - 0.3 \div 0.\bar{1} \times 0.\bar{3}$
14. If $a = \frac{3+\sqrt{5}}{2}$ then find the value of $a^2 + \frac{1}{a^2}$.
15. If $a = \frac{2-\sqrt{5}}{\sqrt{3}}$ then find the value of $a^2 + \frac{1}{a^2}$.
16. In which quadrant or on which axis do each of the points (-2,4), (3,-1), (-4,0), (2,3) lie?
17. What is the abscissa of origin?
18. What is the sign of y-coordinate below the x-axis?
19. What are the coordinates of a point lying on the y-axis at negative 3 units?
20. If the y- coordinate of a point is zero, then where does this point lie?
21. What are the coordinates of a point whose ordinate is 5 and lying on the y-axis? 22. If the two points are A (-3,7) and B(-7,5), then what is (abscissa A)- (abscissa B)?
23. What is the sign of x-coordinate in quadrant II?

SCIENCE

1. Prepare the practical file which should be cover by black color chart paper. Write down this file from given PDF file in the class group.
2. Write down the climatic conditions of a tourist places visit in summer holidays.

Social Science

1. Solve the given assignment questions.
2. On the outline map of France, locate / label / identify-
   Bordeaux, Nantes, Paris, Marseillaise.
3. Analyze the role of Napolean Bonaparte in French revolution.
4. Do you think India would have been a self – sufficient country without Green Revolution? Think and discuss the scenario of India without Green Revolution in terms of quantity of food grain and public health.
5. If you have been given an opportunity to make / amend any law in the Indian Constitution, which law would it be and why? Write in your own thoughts.

Note:All the work to be done in assignment notebook.

ARTIFICIAL INTELLIGENCE

Q1. Share your ideas about smart and write them down in the box. Fill in your ideas in the below figure on A4 size sheet. Make it colorful and attractive.

Q2. Write a letter to future self. (Page no 200)

a. Assuming we are in 2030 is sure to mention things that you think your future.
b. Type a letter or an email to your future self about how has been change over all these years in term of technology.
c. The following points can be included in letter/ E-mail(comp.deptt.svps@gmail.com) HYPERLINK
   i. Write about your career you want to pursue and how AI will make an impact on that.
   ii. Save the letter in PDF format.
   iii. Send your letter through an E-mail attachment to your respective subject teacher.

Q3. Do/fill all the worksheet, activities and exercises given in Unit- 1(Introduction to AI) in your textbook.

Wish you very happy summer holidays.