

HOMEWORK FOR WINTER VACATIONS
DECEMBER- JANUARY 2021 - 2022
CLASS VII (A, B, C)

ENGLISH LITERATURE:

1. With the help of the instances from the story, 'The Necklace', compare and contrast the character sketches of Madam Loisel and Mister Loisel and write it in your fair notebooks in not more than 100 words.

2. Make sentences of the difficult words of the chapter- Vicky Learns a Lesson in Practice Notebook.

ENGLISH LANGUAGE:

1. Read all the idioms given in chapter 22 of English Grammar book.
2. Select any 10 idioms from the chapter and make sentences of your own. (Practice Notebook)
3. Write a letter to the Secretary of your Housing Society Welfare Organisation requesting for construction of a badminton court within the playground of the residential complex. (Practice Notebook)

Hindi

1. कथा मंजूषा से लालच का फल कहानी अपठित गद्यांश के रूप में पढ़कर page no 64 में पाठ के आधार पर दिए गए प्रश्नों के उत्तर लिखिए।
2. संचिता में page 96 मूल्यपरक प्रश्न और विचार के तीनों प्रश्न कीजिए।
3. विद्यालय की पत्रिका (मैगज़ीन) हेतु कोई कहानी, निबंध, कविता या विचार लिखिए।
4. सुलेख के रूप में पाँच पृष्ठ लिखिए।

SANSKRIT

1. संख्यावाचकशब्दाः- 21 से 50 तक (एकविंशतिः से पंचाशत् तक) (Page 147)
 2. शब्दरूपाणि – ईकारान्त-स्त्रीलिंग – नदी (Page 136)
 3. सर्वनामपदानि – अस्मद् (उभयलिंग) (Page 137)
 4. धातुरूपाणि – कृ पाँचों लकार (Page 140)
- सारा कार्य अपनी संस्कृत की उत्तर – पुस्तिका (class - work) में लिखिए तथा याद कीजिए

HISTORY:

1. Revise all the chapters done in class.
2. Refer to page 98 and do Q. no VIII – Picture study in fair notebook.

GEOGRAPHY

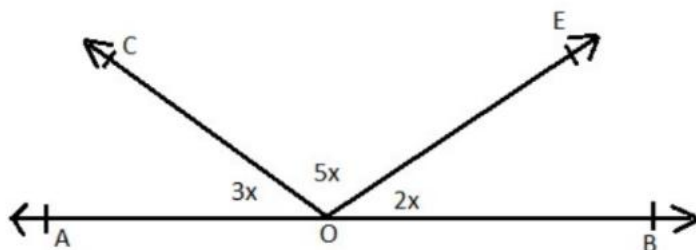
- 1.Revise the lessons done in the class.
 - 2.Practise the map of Africa, political and physical map both.
 - 3.Collect interesting facts about the Sahara Desert
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MATHS WORKSHEET I

1. In a quiz, positive marks are given for correct answers and negative marks are given for incorrect answers. If Rohit's scores in five successive rounds are 15, -3, -7, 12 and 8, what was his total at the end?
2. The marks of Rohit, Ajay and Vipul are in the ratio 4:5:6. If Ajay scored 75 marks, then find the marks of Rohit and Vipul.
3. Express the following as a rational number:

$$\left[\left(\frac{2}{3}\right)^2\right]^3 \times \left[\frac{1}{3}\right]^3 \times 3^{-1} \times \frac{1}{6}$$

4. Ankit's monthly expenditure is Rs. 15000. He spends 25% on house rent, 40% on food and groceries, 5% each on travelling and entertainment and the rest on education. Calculate the amount he spends on each.
5. Solve: $(-48) \times 24 \times (-10) + 100$
6. By selling a dress for Rs. 729, a shopkeeper experienced a loss of 10%. Find the cost price of the dress?
7. Arrange $\frac{1}{3}, \frac{3}{8}, \frac{8}{9}$ in ascending order.
8. A mother is 25 years more than son's age. After 5 years the mother's age will be twice of his son's present age. Find the present age of both.
9. Find the angle AOC, angle COE, angle EOB.

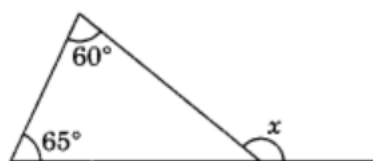


10. Find the value of k: $\left(\frac{2}{3}\right)^3 \times \left(\frac{2}{3}\right)^6 = \left(\frac{4}{9}\right)^{2k-3}$

MATHS WORKSHEET II

1. What is the mode for the given set of numbers:
3,5,4,4,2,1,4,2,3,6,1,4?
2. Subtract $-5a^2 - 3a + 1$ from the sum of $4a^2 + 3 - 8a$ and $9a - 7$.

- In the right-angled ΔPQR , $\angle P = 90^\circ$. If $PQ = 24$ cm and $PR = 10$ cm, find the length of QR .
- 76 persons can complete the job in 42 days. In how many days will 56 persons do the same job?
- Reema reads $\frac{1}{5}$ th pages of a book. If she reads further 40 pages, she would have read $\frac{7}{10}$ th page of the book. How many pages are left to be read?
- 70% of the students in a school are boys and the number of girls is 504. Find the number of boys in the school.
- A rectangular field is $16\frac{1}{4}$ m long and $12\frac{2}{7}$ m wide. Find the perimeter of the field.
- If the simple interest on a certain sum of money for 6 years is three-fifth of the sum, find the rate per annum.
- Find the value of x



- Find the value of x following proportions: $51 : 85 :: 57 : x$
Math's worksheets to be done in Class work Registers.

SCIENCE

CHAPTER – LIGHT ENERGY (Physics)

- Q.1 Define the following terms – Incident ray, Reflected ray, Point of incidence, Normal, Angle of incidence, Angle of reflection
- Q.2 Explain the laws of reflection diagrammatically.
- Q.3 Explain the formation of image of a point object by a plane mirror.
- Q.4 Mention the characteristics of image obtained by a plane mirror.
- Q.5 Explain regular and irregular reflection with the help of a diagram.

CHAPTER – RESPIRATION (Biology)

Read the chapter 'Respiration'.

SYMBOLS & VALENCIES OF ELEMENTS (Chemistry)

Learn the symbols of elements (table 5.5, page 62) and valencies of radicals (table 5.4, page 61) from the chemistry text book

Write chemical formulae of the following

sodium hydroxide, sodium carbonate, sodium bicarbonate, ferric chloride, magnesium chloride, Ammonia, sodium nitrate, potassium oxide, ammonium chloride, sodium sulphide.

Write balanced chemical equations from the following word equations

- potassium + water \rightarrow potassium hydroxide + hydrogen
- sodium + oxygen \rightarrow sodium oxide
- calcium + oxygen \rightarrow calcium oxide
- magnesium + hydrochloric acid \rightarrow magnesium chloride + Hydrogen
- hydrogen + chlorine \rightarrow hydrogen chloride
- zinc + oxygen \rightarrow zinc oxide
- carbon + oxygen \rightarrow carbon monoxide
- sodium + chlorine \rightarrow sodium chloride
- ammonia \rightarrow nitrogen + hydrogen
- zinc oxide + carbon \rightarrow zinc + carbon monoxide

Note : Do the question /answers in the fair note book

COMPUTER

Q1. Do the following conversions -

Decimal to Binary

1) 56. 3) 26

2) 321. 4) 64

Binary to decimal

1) 101010. 2) 1111

3) 1010001 4) 10101

GK. 1) Keep a tap on daily, important Current Affairs.

2) Learn and locate Indian states, its capital and Union territories on Map