

New Standard Public School

Senior Secondary School, Tripura Raebareli

Home Assignment

Class - 9th

विषय – हिन्दी

Q.1- अनुप्रास, यमक, श्लेष, उपमा, रूपक व उत्प्रेक्षा अलंकारों की परिभाषा उदाहरण सहित कण्ठस्थ कीजिए ।

Sub - English Language and Litt.

Q.1- Write an article on "Water Conservation" in about 150 words in 160 page note book.

Q.2 - Read Lesson 2 (Prose) and write answer of Oral Comprehension check in rough copy.

Q.3 - Learn all taught topics.

Sub - Physics

Q.1 - Learn and write differences between distance and displacement.

Q.2 - Learn and write differences between speed and velocity.

Q.3 - Try to solve the numericals of motion up to taught syllabus.

Sub - Chemistry

Q. 1 -Write and prepare answer of all questions from exercise of lesson no.1 in rough copy.

Q.2 - Solve the exercise of chapter - 1

Sub - Biology

Q.3 - Write the short notes on following -

(i) Suicidal bag of cell

(ii) Nucleus

(iii) Kitchen of the cell

(iv) Plasma membrane

Sub: Painting

Q.1 - Draw a portrait in A4 size page and shade it. (Any National hero).

Q2 - Draw a Landscape and colour it.

Sub : Computer

Q.1 - Review and learn all the basic components of computer.

Q.2 - Learn all the Input and Output Devices.

Sub : Social Science

Q.1 - Learn - size and location, types of Himalayas, difference regions of northern plains, Thar desert & Islands.

Sub : Maths

Q.1 - Insert two rational number between $\frac{5}{7}$ and $\frac{4}{11}$

Q.2 - Express $0.\overline{235}$ in the form of $\frac{p}{q}$

Q.3 - Locate $\sqrt{13}$ on number line.

Q.4 - Insert two rational as well as two irrational number between $2\sqrt{3}$ and $3\sqrt{10}$

Q.5 - Simplify it -

$$\sqrt{5+2\sqrt{6}} + \sqrt{8-2\sqrt{15}}$$

Q.6 - Rationalise denominator - $\frac{16}{\sqrt{41}-5}$

Q.7 - If $x = 2+\sqrt{3}$ then find the value of (i) $(x+1/x)$ (ii) $x-1/x$

Q.8 - Simplify it -

$$(i) (256)^{-[4^{3/2}]} \quad (ii) \left(\frac{x^a}{x^{-b}}\right)^{(a^2-ab+b^2)} \left(\frac{x^b}{x^{-c}}\right)^{(b^2-bc+c^2)} \left(\frac{x^c}{x^{-a}}\right)^{(c^2+a^2-ca)}$$

Q.9 - Find the value of 'a' and 'b' if $\frac{\sqrt{2+\sqrt{3}}}{3\sqrt{2-2\sqrt{3}}} = a-b\sqrt{6}$

Q.10 - Find the value of 'x' if $9^{x+2} = 240 + 9^x$

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Home Assignment Class - 11th

विषय – हिन्दी

- Q.1- चुनाव प्रचार से होने वाली समस्या हेतु जिलाधिकारी को प्रार्थना-पत्र लिखिए।
Q.2- मियाँ नसीरुद्दीन पाठ को पढ़कर उससे सम्बन्धित प्रश्नों के उत्तर रफ नोट बुक पर लिखें।

Sub - English Core

- Q.1 - 1 Page writing everyday in writing column "My Page".
Q.2 - Revision of taught topics for snap test.

Sub - Physics

1. Prepare the taught theoretical portion & all taught derivations. (Need not to Write, Only, prepare)
2. Solve the following Questions-
Exercise - 1.5, 1.13, 1.14
Example - 2.1 , 2.2 , 2.3 , 2.7 , 2.8 , 2.9 , 2.10 , 2.12 ,
Exercise - 2.8,2.9,2.10,2.13,2.14,2.16,2.20

Sub - Chemistry

1. Prepare discoveries of electron, proton & neutron and atomic models.
2. Write main postulates of Rutherford's and Bohr's atomic models in a rough copy.
3. Write electronic configuration of elements having $Z = 1$ to 30 in rough copy.

Sub - Biology

1. Solve the exercise of chapter - 01 and chapter - 02.
2. Write the short note on following:-

- | | |
|---------------------------|------------------|
| (a) Binomial nomenclature | (b) Taxon |
| (c) Mycoplasma | (d) Cynobacteria |

3. Learn all the taught syllabus.

Sub - Computer Science

1. Draw all logic cables with there Truth Table.
2. Review & Learn all the basics of computer i.e H/W , S/W, I/O devices, memory & De Morgan's theorem.

Physical Education

1. Prepare a chart or project work about the olympic Games. (Modern/Ancient)
2. Write an Essay about Physical Education.
3. Make a chart about the courses of Physical Education.

Sub - Maths

1. If $(b-c)^2$, $(c-a)^2$, $(a-b)^2$ are in AP. prove that $\frac{1}{b-c}$, $\frac{1}{c-a}$, $\frac{1}{a-b}$ are in A.P.

2. The sum of the first p, q, r terms of an A.P are a, b, c respectively. Shows that :

$$\frac{a}{p}(q-r) + \frac{b}{q}(r-p) + \frac{c}{r}(p-q) = 0$$

3. If the first and the n^{th} terms of a G.P are a, b respectively and if p is the product of the first n terms of G.P then prove that

$$p^2 = (ab)^n$$

4. If p^{th} , q^{th} and r^{th} terms of A.P as well as a G.P are a, b, c respectively. Prove that :

$$a^{b-c} a^{c-a} c^{a-b} = 1$$

5. Find all sequences which are simultaneously A.P and G.P.

6. If a, b, c, d and p are different real; numbers such that : $(a^2+b^2+c^2) p^2 - 2(ab+bc+cd)p + (b^2+c^2+d^2) \leq 0$ then shows that a, b, c and d are in G.P

7. Find four numbers in G.P whose sum is 85 and product is 4096.

8. How many terms of the geometrical series $1+4+16+64+ \dots$ will make the sum of 5461?

9. Find the sum of the series $5+5.5+5.55+5.555+\dots+(n \text{ terms})$

10. In a finite A.P the sum of terms equidistance from beginning and end is always same and is equal to the sum of first and last term.