

SOUTH POINT HIGH SCHOOL
HOME WORK FOR SUMMER VACATION (2018-2019)
CLASS VIII

BENGALI

নিচের বিষয় নিয়ে একটি অনুচ্ছেদ লেখো :

গাছ লাগাও , প্রাণ বাঁচাও

HINDI

दिए गए संकेत-बिन्दुओं के आधार पर निम्नलिखित विषय पर २०० से २५० शब्दों में एक निबंध लिखिए :

‘गुरु-शिष्य संबंध : कल, आज और कल’

- (संकेत बिन्दु -
- भूमिका
 - संबंध का प्राचीन रूप
 - वर्तमान स्वरूप
 - संभावनाएँ
 - उपसंहार)

LOWER BENGALI

নিচের বিষয় নিয়ে একটি অনুচ্ছেদ লেখো :

তোমার পরিবার

LOWER HINDI

‘पुस्तकालय का महत्त्व’ विषय पर एक अनुच्छेद लिखिए। (8 से 10 वाक्यों में)

ENGLISH

Refer to

- a) New communicate in English Book 8
- b) New English Junction, Book 8

A. Read :

- a) Who ate the sun ?
- b) The Thousand – Petalled Lotus
- c) Tartary
- d) The Lotus Eaters

Write about two such myths or legends other than what you have read here.

Also in about ten sentences write why we should be aware of the myths and legends of our country.

B. Read :

- a) Art Rocks !
- b) The Last Stonemason

In a letter to a friend write what you have learnt from these narratives and how love for art can enrich a person.

GEOGRAPHY

Answer the following :

1. What is the meaning of sustainable development ?
2. What is rainwater harvesting ?
3. Name the type of soil which is formed due to the depositional action of rivers. Where is this type of soil found in India ?
4. Give reason why freshwater is a critical resource.
5. State the difference between
 - a) Northern Rivers & Southern Rivers
 - b) Renewable Resource & Non-Renewable Resource

HISTORY & CIVICS

How different would our lives have been without the machines and inventions of the 18th, 19th and 20th centuries ? Briefly describe the effect on society of any two inventions such as the telephone, the steamship, the electric bulb or the steam locomotive.

MATHEMATICS

H.W – I

1. Evaluate :
 - (i) 3^{-2}
 - (ii) $(-4)^{-2}$
 - (iii) $(\frac{1}{2})^{-5}$
2. Simplify and express the result in power notation with positive exponent.
 - (i) $(-4)^5 \div (-4)^8$
 - (ii) $(\frac{1}{23})^2$
 - (iii) $(-3)^4 \times (\frac{5}{3})^4$
 - (iv) $(3^{-7} \div 3^{-10}) \times 3^{-5}$
 - (v) $2^{-3} \times (-7)^{-3}$
3. Find the value of
 - (i) $(3^0 + 4^{-1}) \times 2^2$
 - (ii) $(2^{-1} \times 4^{-1}) \div 2^{-2}$
 - (iii) $(\frac{1}{2})^{-2} + (\frac{1}{3})^{-2} + (\frac{1}{4})^{-2}$
 - (iv) $(3^{-1} + 4^{-1} + 5^{-1})^0$
 - (v) $\left\{ (\frac{2}{3})^{-2} \right\}^2$
4. Evaluate :
 - (i) $\frac{8^{-1} \times 5^3}{2^{-4}}$
 - (ii) $(5^{-1} \times 2^{-1}) \times 6^{-1}$
5. Find the value of m for which $5^m \div 5^{-3} = 5^5$.
6. Evaluate :
 - (i) $\left\{ (\frac{1}{3})^{-1} - (\frac{1}{4})^{-1} \right\}^{-1}$
 - (ii) $(\frac{5}{8})^{-7} \times (\frac{8}{5})^{-4}$
7. Simplify :
 - (i) $\frac{25 \times t^4}{5^{-3} \times 10 \times t^{-8}}$ ($t \neq 0$)
 - (ii) $\frac{3^{-5} \times 10^{-5} \times 125}{5^{-7} \times 6^{-5}}$

H.W – II

1. Multiply the binomials :
 - (i) $(2x + 5)$ and $(4x - 3)$
 - (ii) $(y - 8)$ and $(3y - 4)$
 - (iii) $(2.5l - 0.5m)$ and $(2.5l + 0.5m)$
 - (iv) $(a + 3b)$ and $(x + 5)$
 - (v) $(2pq + 3q^2)$ and $(3pq - 2q^2)$
 - (vi) $\left(\frac{3}{4}a^2 + 3b^2\right)$ and $4\left(a^2 - \frac{2}{3}b^2\right)$
2. Find the product :
 - (i) $(5 - 2x)(3 + x)$
 - (ii) $(x + 7y)(7x - y)$
 - (iii) $(a^2 + b)(a + b^2)$
 - (iv) $(p^2 - q^2)(2p + q)$
3. Simplify :
 - (i) $(x^2 - 5)(x + 5) + 25$
 - (ii) $(a^2 + 5)(b^3 + 3) + 5$
 - (iii) $(t + s^2)(t^2 - s)$
 - (iv) $(a + b)(c - d) + (a - b)(c + d) + 2(ac + bd)$
 - (v) $(x + y)(2x + y) + (x + 2y)(x - y)$
 - (vi) $(x + y)(x^2 - xy + y^2)$
 - (vii) $(1.5x - 4y)(1.5x + 4y + 3) - 4.5x + 12y$
 - (viii) $(a + b + c)(a + b - c)$

SCIENCE

1. Write in your activity file (lace file) the observations and inferences of the following experiment in a tabular form :

Five 100 ml beakers were taken and labeled as A, B, C, D & E. About 50 ml of water was taken in each of the beakers and following substances were added to each of them, kept undisturbed for some time and observations were recorded :

Beaker A : $\text{CuSO}_4 + \text{Zn}$

Beaker B : $\text{CuSO}_4 + \text{Fe}$

Beaker C : $\text{ZnSO}_4 + \text{Cu}$

Beaker D : $\text{FeSO}_4 + \text{Cu}$

Beaker E : $\text{ZnSO}_4 + \text{Fe}$

Write also the relevant chemical equations.

2. Draw and label – a. Onion peel (low and high power) b. Cheek cells c. Stomata in the epidermal layer of lower epidermis of a dicot leaf d. A typical plant cell e. A typical animal cell f. human blood smear g. A filament of spirogyra
3. Construct two toy-phones using (i) two disposable plastic / paper glasses and a thread and (ii) two disposable plastic/paper glasses and a chain of straws (pipes for drinking cold drinks), and comparing their performances in sound propagation.

[Basic Science – Page 98]

[Write down the observations when the (i) thread and (ii) straw are taut and when they are slack.]

The pupils will write down the steps in the construction and include diagrams. They will show the model.

GENERAL KNOWLEDGE

Know for Sure : Work out the exercises given on Pgs 18 to 28 in your G.K.Notebook.