

SOUTH POINT HIGH SCHOOL
HOME WORK FOR SUMMER VACATION (2019-2020)
CLASS VIII

BENGALI

গাছ কেটো না ; গাছ আমাদের বন্ধু
বিষয়টি অবলম্বন করে একটি অনুচ্ছেদ লেখো।

HINDI

अपने नाना जी को धन्यवाद-पत्र लिखिए जिसमें इस बात का उल्लेख हो कि उन्होंने आपके पढ़ने के लिए हिंदी की अच्छी पुस्तकें भेजी हैं।

LOWER BENGALI

নিচের বিষয়টি নিয়ে একটি অনুচ্ছেদ লেখো (৫ - ৬টি বাক্য) :
তোমার বিদ্যালয়

LOWER HINDI

‘प्रातः काल का दृश्य’ विषय पर 8 – 10 वाक्यों में एक अनुच्छेद लिखिए।

ENGLISH

Imagine that you are Jo March and you live in the 21st century. Write a diary entry in about 150 words describing an unusual day in your fully equipped and modern family kitchen when you decide to surprise your mother and sisters with a grand spread for lunch. In this context highlight how technological advancements and your presence of mind helped you overcome your lack of experience as a cook and made your day a grand success.

Holiday Reading : *Little Women* by *Louisa May Alcott*

MATHEMATICS

1. Simplify : $(x^2 - y^2) \div (x^2 - y^2)$
2. Simplify : $(a^{-1} b^{-1}) \div (a^{-1} + b^{-1})$
3. Simplify : $(y - z)(y + z) + (z - z)(z + x) + (x - y)(x + y)$
4. Multiply : $(a + b + c)(a^2 + b^2 + c^2 - ab - bc - ca)$
5. If $x = a/l - m$, $y = 6m - n$, $z = cn - l$, find the simplest value of $x(l + m) + y(m + n) + z(n + l)$
6. Express 2,00,000 in standard form.
7. If $a = 1$, $b = 2$, $c = 3$, $d = 4$, $y = 25$, $z = 26$, evaluate $(x - a)(x - b)(x - c) \dots (x - z)$.
8. Find x , if $2^x = 3^{-x}$.
9. If $m^n = n^m$, prove that $\left(\frac{m}{n}\right)^{m/n} = m^{m/n-1}$. Hence find m , n if $m = 2n$.
10. If $x^{x\sqrt{x}} = (x\sqrt{x})$, find x .

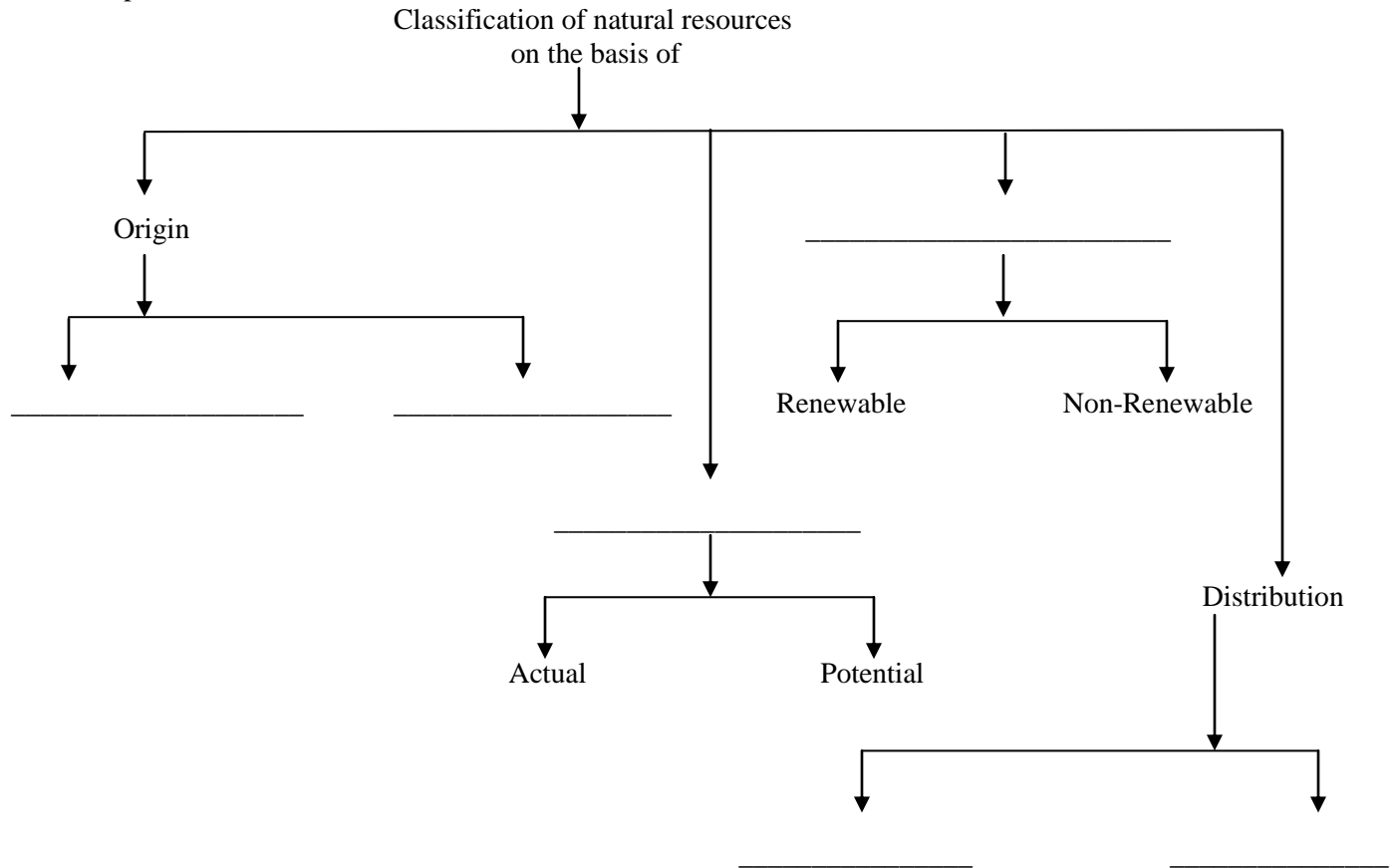
SOCIAL SCIENCE

1. Define the following :

- a) Colonisation
- b) Archive
- c) Census operations

(P.T.O)

2. Complete the chart :



3. Answer the following question :

Which is the most important resource and why ?

SCIENCE

1. Imagine that friction suddenly vanishes. How would life be affected ? List five such situations.
2. Bobby has to push a 10 kg box and Reema has to push a similar 20 kg box on the same floor. Who will have to apply a larger force and why ?
3. a) A mass is pulled with the forces, as given in the table below, yet it remains static on the surface. Find the magnitude of frictional force in each case.

Magnitude of pulling force on mass	Magnitude of static frictional force
Zero	
5.0 N	
7.5 N	
9.8 N	

- b) Does the maximum magnitude of static frictional force depend on how an object is kept on a surface ? (i.e. area of the contacted surface)
4. Take two identical plastic bottles of equal size and shape. Pour water in one bottle and concentrated saline water in the other (height of the liquid level is same in both the bottles). Make a hole at the side wall close to the bottom of both the bottles. Which liquid is flowing out at a faster rate and why ?
5. Give 5 examples of how air pressure is used in everyday life.