

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

BENGALI

নিচের বিষয় নিয়ে একটি অনুচ্ছেদ লেখো :

তোমার প্রিয় খেলা

HINDI

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

‘विद्यार्थी और अनुशासन’

- (संकेत बिन्दु -
- भूमिका
 - विद्यार्थी जीवन में अनुशासन का महत्त्व
 - वर्तमान स्थिति
 - अनुशासनहीनता के कारण
- उपसंहर)

LOWER BENGALI

নিচের শব্দগুলির প্রত্যেকটি দিয়ে একটি করে বাক্য রচনা করো :

- i) কালো ii) সময় iii) গল্প iv) লম্বা

LOWER HINDI

‘हमारा राष्ट्रीय पशु’ विषय पर एक अनुच्छेद लिखिए। (5 से 6 वाक्यों में)

ENGLISH

Refer to New communicate in English – Book 7

A. Read :

- a) Packing for the Journey
- b) Those Six Days
- c) Around the World in 80 Days
- d) A Trek through the Himalayas

You must have visited places with your family during vacations. Choose any one such trip. Write a short datewise record of the trip.

Mention

- (i) The preparation for the trip
- (ii) What you saw and how you enjoyed yourself
- (iii) Difficulties faced
- (iv) Lessons learnt

Paste pictures of the trip.

B. Read :

- a) Hopscotch
- b) Gulli-Danda

In about 6 – 7 sentences write why children should play outdoor games.

GEOGRAPHY

1. Name the innermost layer of the Earth. Which are the dominant minerals found in this layer ?
2. Classify igneous rocks and give one example of each.
3. What is the metamorphic form of clay and limestone ?
4. List any two causes of environmental degradation.
5. How does forest moderate atmospheric temperature ?

HISTORY & CIVICS

Suppose you were living in a country with a monarchical form of government, how would this be different from living in a democracy ? (Write four or five points of difference in the form of a paragraph)

MATHEMATICS

H.W – I

1. Evaluate each of the following :
(a) $(-30) \div 10$ (b) $50 \div (-5)$ (c) $(-36) \div (-9)$
(d) $(-49) \div (49)$ (e) $13 \div [(-2) + 1]$ (f) $0 \div (-12)$
(g) $(-31) \div [(-30) + (-1)]$ (h) $[(-36) \div 12] \div 3$ (i) $[(-6) + 5] \div [(-2) + 1]$
2. Verify that $a \div (b + c) \neq (a \div b) + (a \div c)$ for each of the following values of a, b and c
(a) $z = 12, b = -4, c = 2$ (b) $a = (-10), b = 1, c = 1$
3. Fill in the blanks :
(a) $369 \div \underline{\hspace{2cm}} = 369$ (b) $(-75) \div \underline{\hspace{2cm}} = -1$
(c) $(-206) \div \underline{\hspace{2cm}} = 1$ (d) $-87 \div \underline{\hspace{2cm}} = 87$
(e) $\underline{\hspace{2cm}} \div 1 = -87$ (f) $\underline{\hspace{2cm}} - 48 = -1$
(g) $20 - \underline{\hspace{2cm}} = -2$ (h) $\underline{\hspace{2cm}} - (4) = -3$
4. Write five pairs of integers (a, b) such that $a - b = -3$. One such pair is (6, -2) because $6 - (-2) = (-3)$.
5. The temperature at 12 noon was 10°C above zero. If it decreases at the rate of 2°C per hour until midnight, at what time would the temperature be 8°C below zero, what would be the temperature at mid-night ?
6. In a class test (+3) marks are given for every correct answer and (-2) marks are given for every incorrect answer and no marks for not attempting any question. (i) Radhika scored 20 marks. If she has got 12 correct answers, how many questions has she attempted incorrectly ? (ii) Mohini scores -5 marks in this test, though she has got 7 correct answers. How many questions has she attempted incorrectly ?
7. An elevator descends into a mine shaft at the rate of 6 m/min. If the descent starts from 10 m above the ground level, how long will it take to reach -350 m.

H.W – II

- Find each of the following products :
(a) $3 \times (-1)$ (b) $(-1) \times 225$ (c) $(-21) \times (-30)$
(d) $(-316) \times (-1)$ (e) $(-15) \times 0 \times (-18)$ (f) $(-12) \times (-11) \times (10)$
(g) $9 \times (-3) \times (-6)$ (h) $(-18) \times (-5) \times (-4)$ (i) $(-1) \times (-2) \times (-3) \times 4$
(j) $(-3) \times (-6) \times (-2) \times (-1)$
- Verify the following :
(a) $18 \times [7 + (-3)] = [18 \times 7] + [18 \times (-3)]$
(b) $(-21) \times [(-4) + (-6)] = [(-21) \times (-4)] + [(-21) \times (-6)]$
- (i) For any integer a, what is $(-1) \times a$ equal to ?
(ii) Determine the integer whose product with (-1) is
(a) -22 (b) 37 (c) 0

SCIENCE

- Write down the chemical formulae of the following :
a) Potassium Dichromate b) Aluminium Nitride
c) Ammonium Carbonate d) Sodium Zincate
- Write down the names for the following :
a) $(\text{NH}_4)_2 \text{G}_2\text{O}_7$ b) KClO_3 c) $\text{Na}_2\text{S}_2\text{O}_3$ d) NaAlO_2 e) Fe_2O_3 f) $(\text{NH}_4)_3 \text{PO}_4$
- Balance the following equations :
a) $\text{BaCl}_2 + \text{Al}_2(\text{SO}_4)_3 \longrightarrow \text{BaSO}_4 + \text{AlCl}_3$
b) $\text{NH}_3 + \text{Cl}_2 \longrightarrow \text{N}_2 + \text{NH}_4\text{Cl}$
c) $\text{HNO}_3 \longrightarrow \text{NO}_2 + \text{H}_2\text{O} + \text{O}_2$
d) $\text{NH}_3 + \text{O}_2 \longrightarrow \text{NO} + \text{H}_2\text{O}$
- An element Z forms an oxide ZO_3
a) What is the valency of element Z ?
b) What will be the formula of fluoride of Z ?
- The valencies of two elements A and B are given below :

<u>Element</u>	<u>Valency</u>
A	+ 2
B	+ 3

a) What is the formula of sulphate of B ?
b) What is the formula of hydroxide of A ?
- Make a model of a sand clock (hour glass) which can measure a time interval of 1 minute or 30 seconds. [Basic Science – Page 48]
- Plot a distance time graph for a body travelling at a speed of 3 m/sec. Make a data table also.