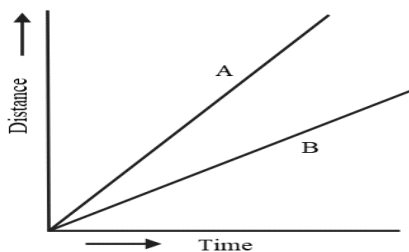


KENDRIYA VIDYALAYA AFS, BAGDOGRA
HOLIDAY HOME WORK FOR WINTER BRAKE
CLASS VII ; SUBJECT -SCIENCE

1. What are stomata? Give two functions of stomata.
2. Does transpiration serve any useful function in the plants? Explain
3. What are the function of xylem and phloem ?
4. Classify the following as motion along a straight line, circular or oscillatory motion:
 - (i) Motion of your hands while running.
 - (ii) Motion of a horse pulling a cart on a straight road.
 - (iii) Motion of a child in a merry-go-round.
 - (iv) Motion of a child on a see-saw.
 - (v) Motion of the hammer of an electric bell.
 - (vi) Motion of a train on a straight bridge.
5. A simple pendulum takes 32 s to complete 20 oscillations. What is the time period of the pendulum?
6. The distance between two stations is 240 km. A train takes 4 hours to cover this distance. Calculate the speed of the train in km/h and m/s.
7. Salma takes 20 minutes from her house to reach her school on a bicycle. If the bicycle has a speed of 4 m/s, calculate the distance between her house and the school.
8. Fig. 13.15 shows the distance-time graph for the motion of two vehicles A and B. Which one of them is moving faster?



Distance-time graph for the motion of two cars.

9. Name any two effects of electric current.

10. Do you think an electromagnet can be used for separating plastic bags from a garbage heap? Explain.

11. Fill in the blanks:

(a) Longer line in the symbol for a cell represents its----- terminal.

(b) The combination of two or more cells is called a -----

(c) When current is switched 'on' in a room heater, it -----

(d) The safety device based on the heating effect of electric current is called a -----.

12. Draw the symbols to represent the following components of electrical circuits: connecting wires, switch in the 'OFF' position, bulb, cell, switch in the 'ON' position, and battery.

13. Draw electrical circuits with the symbols of connecting wires, bulb, cell and switch in the 'ON' position.

कक्षा 7वीं

शीतकालीन अवकाश गृहकार्य

1. 5 पेज सुलेख लिखें।
2. 10 पुनरावृत्ति शब्द लिखें और उनसे वाक्य बनायें।
3. क्रिसमस पर अनुच्छेद लिखें।
4. इंटरनेट के 5 फायदे और 5 नुकसान लिखें।

P.M. SHRI KENDRIYA VIDYALAYA AFS BAGDOGRA

HOLIDAY HOMEWORK WINTER BREAK

CLASS-VII A, B, C

SUBJECT- MATHS

- Using laws of exponents, simplify and write the answer in exponential form:
(I) $(20^{15}/20^{10}) \times 2^3$
(II) $(a^5/a^3) \times a^8$
- Express each of the following as a product of prime factors only in exponential form:
(I) 729×64
(II) 768
- Represent the following rational numbers on number line:
(I) $\frac{3}{5}$ (II) $-\frac{9}{4}$
- Insert 5 rational numbers between $1/3$ and $2/3$.
- Write the additive inverse of each of following-
(a) $4/5$ (b) $-8/7$
- Write the following numbers in standard form-
1) 34500000 2) 24567.789
- Which rational number is greater in $\frac{-3}{7}, \frac{-5}{9}$
- Write four rational number equivalent to $\frac{-3}{7}$.
- Simplify the followings
(i) $\frac{3}{4} + \frac{-2}{3} + \frac{1}{2}$ (ii) $(\frac{-9}{15} \div \frac{27}{60}) \times \frac{5}{16}$
- Find value of expression $2b(5b-20)$ at $b=2$.
- Find the perimeter and area of a square of side 14cm.
- Find the area of a circle of radius 12cm.
- Ramesh has taken 5 rounds of a circular park of diameter 12cm, how much distance he has covered ?
- The perimeter of a rectangular park is 260m, if its length is 25cm . what will be its breadth and area.

केन्द्रीय विद्यालय वायु सेना स्थल ,बागडोगरा

शीतकालीन गृह कार्य (सत्र-2023-24)

कक्षा:- सप्तम्

विषय:- संस्कृतम्

१. "विद्याधनं" पाठस्य श्लोकानां लेखनम्, स्मरणम् च ।(एकादशः पाठः)

२. समवायो हि दुर्जयः पाठस्य एकं प्रष्ठम् लेखनम् ।

३. संस्कृते 1- 30 तः संख्या लेखनम्, स्मरणम् च ।

४. किम्, चर्, धातुरूपाणां लेखनम्, स्मरणम् च ।

५. निम्नलिखित शब्दानां संस्कृते-पर्यायम् लिखत-

यथा-घर = गृहम्

(i) भिन =

(ii) बाग =

(iii) मोर =

(iv) कबूतर =

(v) केले =

(vi) बन्दर =

(viii) गेद =

. (ix) फूलमालाएँ.....

. (X) नारियल

Winter break homework

Subject -SST

Glass- 7th

1. What were the major ideas expressed by Kabir? How did he express these?
2. Why do you think ordinary people preserve the memory of Mirabai?
3. In what ways does the media play an important role in a democracy?
4. In what ways was the history of the Gonds different from that of the Ahoms? Were there any similarities?
5. What changes took place in Varna based society?