



Affiliated to C.B.S.E., New Delhi

Global Wisdom

School of Education

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Dear Globians,

It's time for Mangoes, Watermelons, Ice-creams, Lemonades and lots of fun! Summer vacation is a welcome break from fixed schedules, rules and regulations. Visiting Nani house, Dadi House, exploring new places and watching your favorite shows on television. But there is a lot more you can do to make your holidays more interesting and meaningful along with doing your fun. Your teachers have planned some interesting activities for you. So, wake up early in the morning and go for morning walk with your parents, breathe fresh air and avoid playing out in sun.

Dear Parents,

Holidays are times when you can connect with your child in many ways. As parents you are the first and the most important teacher of your child, we can encourage our child to participate in many educational activities at home and promote his/her quest to learn. Working together will not only help your child to build, learn and develop his/her skills but also strengthen your bond with him/her. Holiday homework is intended to make your ward independent and enhance their skills and capabilities.

Instructions for Students:-

- Try to do your Holiday Homework by yourself.
- Use separate Notebook for each subject.
- Writing should be very good and neat.
- Do all work under the guidance of your parents/guardians
- Do all work with date & day.
- Try to do your written work regularly to enhance your writing power.
- Pay special attention towards your health.
- Don't Play in the sunshine or at hot places.



Instructions for Parents :-

- Holiday homework has to be done under the parental guidance.
- Make your ward read resource books.
- Make your ward learn and remember his/her parents mobile /landline number, house address etc, to make him/her independent and secure.
- Do not miss to take your child, outdoors in the evening.
- Do any creative act, which you are good at with your ward and send it to school after vacations.
- Fix up a time table for your ward to organize his/her daily routine like, watching television, playing with friends, studying etc.
- Make your child responsible by assigning some of the household responsibilities to him/her like, watering plants, arranging the dining table, organizing his/her room and cupboards, fill the empty water bottles and put them in refrigerator.

**Note-Kindly submit your ward's Holiday Homework on the first Day of Summer Break/Vacation.
(Above-mentioned guidelines will help your child to become a smart and an active learner.)**



ENGLISH CORE

- 1:- Select 5 passages from news paper and make notes of these passages.
- 2:-Write a descriptive essay on the following giving topic :-
 - a. Indian TV – serving the nation
 - b. Hazards of TV – watching for the kids
 - c. Value of Education – A part of curriculum in schools
 - d. Keeping your school neat and clean
 - e. Role of students in eradicating illiteracy
- 3:- Write letter to magazine editor to publish your article on air pollution.
- 4:-You are the secretary of science club of your school write a notice for your School notice board encouraging the bright science students of class 11th and 12th to participate in the inter school science exhibition to be held next week in a Neighbouring school.
- 5:- Collect invitation card and write format in the file.
- 6:- Water is precious and each one of us must stop wastage of water , prepare a Poster not more than 50 words urging people to employ various methods of Rain water harvesting in their colonies.
7. Write a job application for the post of Dance Teacher enclosing your Bio-data.

हिन्दी

प्रश्न.1 परियोजना कार्य हेतु यचनित विषय-(कोई एक)

गोस्वामी तुलसीदास

महादेवी वर्मा

हरिवंशराय बच्चन

आलोक धन्वा

धर्मवीर भारती

परियोजना कार्य हेतु क्रम – मुख्य पृष्ठ, घोषणा पत्र, आभार पत्र, अनुक्रमणिका (विषय सूची), लेखक फोटोग्राफ, संकेत बिन्दु

संकेत बिन्दु-

1) जीवन परिचय

2) पारिवारिक पृष्ठभूमि न गतिविधियां

3) साहित्यिक पृष्ठभूमि व साहित्यिक विशेषताएं

4) हिन्दी साहित्य में स्थान

5) सम्मान व उपलब्धियां

6) रचनाएं

7) पाठ्यक्रम में वर्णित रचना के प्रमुख अंश

8) निष्कर्ष या उप संहार

महत्वपूर्ण बिन्दु-

परियोजना कार्य स्व लिखित एवं क्रम अनुसार होना चाहिए।

वर्णित विषय वस्तु अनुसार फोटोग्राफ लगाना अनिवार्य है।

परियोजना कार्य 15 से 20 पेज में पूर्ण होना चाहिए।

लिखावट सुंदर एवं स्पष्ट होना चाहिए।

प्रश्न.2 आत्म परिचय के किन्ही दो पदों की व्याख्या कीजिए।

प्रश्न.3 भक्तिन पाठ का सारांश अपने शब्दों में कीजिए।

प्रश्न.4 जन संचार क्या है उसके प्रकार बताएं तथा जनसंचार की विशेषताएं बताएं।

Physical Education

ASSIGNMENT -1

Q-1 What do you mean by elimination tournament? Draw a fixture of 23 team on knockout basis?

Q-2 Discuss the advantage and disadvantage of knockout and league tournament?

Q-3 Seeding fixture of 17 team (with four seeded teams).

- Q-4 What do you mean by sport management? Explain the part of Sport management.
 Q-5 Define the term 'Bye' and 'Seeding'.
 Q-6 Make a League Fixture for 16 team.
 Q-7 State the duties of physical education teacher for organizing the sport tournament.
 Q-8 Write the formula for calculating the number of round in cyclic method and write the formula for calculating the number of matches in staircase method?
 Q-9 Write in brief the pre works of the following: (a) Technical Committee (b) Convener
 Q-10 Draw a super league fixture of 21 team.

ASSIGNMENT -2

- (1) Write down the history of volleyball.
 (2) Origin place of Kabaddi and its ground measurement.

<<ALL WORK SHOULD BE DONE ON A PROJECT FILE>>

Computer Science

Home assignment

1. What is High Level Language?
2. Draw a flow chart to print even numbers from 1 to 10, on chart paper.
3. Write an algorithm to calculate area of circle.
5. Write an algorithm to print prime numbers from 1 to 100.
6. What is system software explain in details.
7. What is operating system write in detail.
8. Write a difference between compiler and interpreter.
9. What is E-Commerce? Explain in details.
10. What is Network. Describes types of Network.

PHYSICS

Time to be Spent (___ Hours per day for ___ Days) :	(1 hour per day for 30 days)
Work Specification :	Activity work and Practice Question
Materials Required :	One activity file , Text Book, Writing & Drawing Materials, Internet & Library support, Covering Material, Reference Books, Newsprints , Photographs, Graphs, where applicable
Instructions / Guidelines :	You are required to prepare a technical report formally written, including an abstract, some theoretical discussion, experimental set up, observation and data collected, analysis and discussion of the result, conclusion etc. You will be assessed on: a) Conceptual clarity /understanding b) Computations (if any) c) Presentation (No extra credit shall be given for type-written material / decorative cover. etc. You have to solve given practice question i.e. given below.

- Q.1-Make Activity file.
 Q.2- Make Practical File
 Q.3- Make project file
 Q4-Solve N.C.E.R.T. Exercise and all N.C.E.R.T. exemplar of chapter-1(Electric Charges and Fields)
 Q5- Solve given question of practice set.

Biology

Q1-Make practical file

Q2- Make project file on anyone of the following given topics

a- Human health and Disease

b-Life cycle of Plasmodium

c- Bacterial diseases

d- Virus diseases

e- Immunity

f- AIDS

g- Cancer

h- Drugs and alcohol abuse

i- Recombinant D.N.A Technology

j- Transgenic animal and Transgenic plant

k- Gene therapy

l- Pedigree analysis

m- Biodiversity and conversation

n- Adaptation in animal and plant

o- Population interaction

p- Ecosystem

q- Pollution

r- Mendel's laws of inheritance and molecular basis of inheritance.

Q3 - Solve N.C.E.R.T. exercise and all N.C.E.R.T. exemplar of chapter-1 (Sexual reproduction in flowering plants) Chapter-2 (Human Reproduction)

CHEMISTRY

Q.1- Make activity file.

Q.2- Make practical File

Q.3- Make project file

Q4- Solve N.C.E.R.T. exercise and all N.C.E.R.T. exemplar of chapter-1

MATHS

- Q.1 Let $A = \{1,2\}$ and $B = \{3,4\}$. Write $A \times B$. How many subsets will $A \times B$ have? List them.
- Q.2 Let $A = \{1,2,3,\dots,14\}$. Define a relation R from A to A by $R = \{(x,y) : 3x-y = 0, \text{ where } x,y \in A\}$. Write down its domain, co-domain and range.
- Q.3 If $f(x) = x^2$, find $\frac{f(1.2) - f(1)}{1.2 - 1}$.
- Q.4 Find the inverse of the function of $x = \frac{3 - 5y}{2y - 7}$.
- Q.5 If $n(A) = 3$ and $n(B) = 3$, then find $n(A \times B)$. (1 mark)
- Q.6 Let R be a relation from Q to Q defined by $R = \{(a,b) : a,b \in Q \text{ and } a-b \in Z\}$. Show that
(a) $(a,a) \in R$ for all $a \in Q$
(b) $(a,b) \in R$ implies that $(b,a) \in R$
(c) $(a,b) \in R$ and $(b,c) \in R$ implies that $(a,c) \in R$.
- Q.7 Let $A = \{9, 10, 11, 12, 13\}$ and let $f: A \rightarrow N$ be defined by $f(n) =$ the highest prime factor of n . Find the range of f . (3 marks)
- Q.8 Find the domain of the function $f(x) = \frac{x^2 + 2x + 1}{x^2 - 8x + 12}$.
- Q.9 Let $A = \{1, 2, 3, 4\}$ and $B = \{10, 12, 13, 14, 20\}$. Whether $f: A \rightarrow B$ defined by $f(1) = 10, f(2) = 12, f(3) = 13$ is a function? (1 mark)
- Q.10 Find the domain and the range of the real function f defined by $f(x) = |x - 1|$. (2 marks)
- Q.11 Examine the relation : $R = \{(2,1), (3,1), (4,1)\}$ and state whether it is a function or not?
- Q.12 A function f is defined by $f(x) = 3x - 4$. Write down the value of $f(5)$ and $f(-7)$.
- Q.13 Write the domain of the function $f(x) = \frac{x + 1}{x^2 + 6x + 5}$.

- Q.14 Let $A = \{1, 2, 6, 8\}$ and let R be a relation on A defined by $\{(a, b) : a, b \in A, b \text{ is exactly divisible by } a\}$ (2 marks)
a) Write R in roster form.
b) Find the domain of R .
c) Find the range of R .
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- Q.15 If f and g are two functions such that $f(x) = 5x + 2$ and $g(x) = x^2 + 3$, then find $f + g$ and $f - g$. (2 marks)
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- Q.16 Write the domain of the function, $f(x) = \frac{x^2 - 2x + 3}{x^2 - x - 20}$
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- Q.17 A function f is defined by $f(x) = 2x - 5$. Write down the values of (2 marks)
(i) $f(0)$, (ii) $f(7)$, (iii) $f(-3)$
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- Q.18 If $f(x) = x^2 - \frac{1}{x^2}$, then find the value of: $f(x) + f\left(\frac{1}{x}\right)$.
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- Q.19 Under which condition a relation f from A to B is said to be a function? (1 mark)
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- Q.20 If $A = \{a_1, a_2\}$ and $B = \{b_1, b_2, b_3\}$, then write $A \times B$.
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CLASS- 12th

STUDENT'S NAME-