

ST. COLUMBUS SCHOOL
DAYALBAGH, FBD.
HOLIDAY HOMEWORK FOR WINTER BREAK (2022-23)
CLASS –XI (SCIENCE)

Dear Parent,

Greetings!!

Holiday is the time that all students eagerly wait for. We all make plans to enjoy, relax and to empower ourselves during these days. This winter vacation the holiday homework is designed as a medium for you all to achieve the motto of “Fun and Learn”.

We have made this winter break homework only activity-based. We are looking forward to the children coming back with smiling faces and joy. All of us at St. Columbus School wish you best of holidays and Happy New Year.

Regards

Columbian Family



SOME ADVICE FROM TEACHERS' SIDE

Dear Students

- ❖ Complete your holiday homework neatly, take the help of your parents if needed.
- ❖ Originality of work will be appreciated.
- ❖ To get aware of the surroundings, watch different informative channels in the presence of your parents.
- ❖ Do exercises regularly or indulge in indoor activities.
- ❖ Parents are requested to only guide their children while doing the homework.
- ❖ Visit and explore educational sites. Like –www.funbrain.com,
<http://www.abcmouse.com>
- ❖ Eat only healthy food, drink fresh juices and lots of water to remain hydrated.



SUBJECT – ENGLISH

*Do the Homework in A4 size sheets

- Revise the syllabus done in the class and complete your notebooks.
- Prepare a speech on the topic “New Education Policy (NEP)2023”
- Write an article on “Christmas Carnival”

SUBJECT – PHYSICS

Perform all the derivations and read their respective chapters from NCERT.
Complete your practical file.

SUBJECT – CHEMISTRY

Learn -General Organic Chemistry ,Nomenclature
Complete your practical file.

SUBJECT –MATHS

(Miscellaneous Exercise)Straight Line, Probability
Complete your practical file.

SUBJECT – BIOLOGY

Q1-Draw well labeled diagram of human digestive system, respiratory system,
human heart, excretory system, malphigian body, counter current mechanism.

Q2- Write short notes on cardiac cycle, double circulation, blood clotting.

Q3-Describe respiratory volume and capacity.

Q4-Explain blood formed components.

Q5- Explain oxygen dissociation curve.

Q6-Elaborate transport of gasses.

Q7-Describe various ailments related to circulatory system.

Q8-Explain counter current mechanism for urine formation.

Q9-Describe regulation of respiration.

Q10-Explain feedback mechanism for rate of filtration.

Complete the written part of following experiments in practical notebook

1. Chromatography to visualize different pigments.
2. Human skeletal system(identify and comment on different bones)
3. Test of glucose, starch, protein and fat.

SUBJECT – COMPUTER SCIENCE

Revise the programs of the following chapters:

1. String
2. List
3. Tuple

SUBJECT – PHYSICAL EDUCATION

Complete your practical file and revise the whole syllabus for Annual exams.

